

# **Petroleum Supply Monthly**

December 2022



This report was prepared by the U.S. Energy Information Administration (EIA), the statistical and analytical agency within the U.S. Department of Energy. By law, EIA's data, analyses, and forecasts are independent of approval by any other officer or employee of the United States Government. The views in this report therefore should not be construed as representing those of the Department of Energy or other Federal agencies.

## Preface

---

The Petroleum Supply Monthly (PSM) is the monthly component of a series of three publications produced by the Office of Petroleum and Biofuels Statistics of the U.S. Energy Information Administration (EIA). The other two components are the Weekly Petroleum Status Report (WPSR) and the Petroleum Supply Annual (PSA). Together these publications present comprehensive petroleum and biofuel supply data on a weekly, monthly and annual basis.

Data presented in the PSM describe the supply and disposition of petroleum products in the United States and major U.S. geographic regions. The data series describe production, imports and exports, inter-Petroleum Administration for Defense (PAD) District movements, and inventories by the primary suppliers of petroleum products in the United States (50 States and the District of Columbia). The reporting universe includes those petroleum sectors in primary supply. Included are: petroleum refiners, motor gasoline blenders, oxygenate producers, operators of natural gas processing plants and fractionators, inter-PAD District transporters, importers, and major inventory holders of crude oil, petroleum products, and biofuels. When aggregated, the data reported by these sectors approximately represent the consumption of petroleum products in the United States.

### Scope of data

The PSM presents statistics for the most current month available as well as year-to-date. In most cases, the statistics are presented for several geographic areas - - the United States (50 States and the District of Columbia), five PAD Districts, and 12 Refining Districts. At the U.S. and PAD District levels, the total volume and the daily rate of activities are presented. The statistics are developed from monthly survey forms submitted by respondents to the EIA and from data provided from other sources including federal and state agencies.

### Sections

- U.S. supply and disposition of crude oil, petroleum products, and biofuels
- Regional supply and disposition of crude oil, petroleum products, and biofuels
- Crude oil supply and disposition and production by state
- Natural Gas Processing
- Refinery Operations
- Imports of residual fuel oil by state of entry
- Imports by PADD
- Imports by country of origin
- Exports
- Net imports
- Stocks
- Movements of crude oil, petroleum products, and biofuels

# Contents

Page

## Tables

### U.S. supply and disposition of crude oil, petroleum products, and biofuels

|                                                                                                      |   |
|------------------------------------------------------------------------------------------------------|---|
| 1. U.S. Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products .....             | 6 |
| 2. U.S. Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products..... | 7 |
| 3. U.S. Daily Average Supply and Disposition of Crude Oil and Petroleum Products.....                | 8 |
| 4. U.S. Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products.....   | 9 |

### Regional supply and disposition of crude oil petroleum products and biofuels

|                                                     |    |
|-----------------------------------------------------|----|
| 5. PAD District 1 .....                             | 10 |
| 6. Year-to-Date PAD District 1 .....                | 11 |
| 7. Daily Average PAD District 1 .....               | 12 |
| 8. Year-to-Date Daily Average PAD District 1 .....  | 13 |
| 9. PAD District 2 .....                             | 14 |
| 10. Year-to-Date PAD District 2 .....               | 15 |
| 11. Daily Average PAD District 2 .....              | 16 |
| 12. Year-to-Date Daily Average PAD District 2 ..... | 17 |
| 13. PAD District 3 .....                            | 18 |
| 14. Year-to-Date PAD District 3 .....               | 19 |
| 15. Daily Average PAD District 3 .....              | 20 |
| 16. Year-to-Date Daily Average PAD District 3 ..... | 21 |
| 17. PAD District 4 .....                            | 22 |
| 18. Year-to-Date PAD District 4 .....               | 23 |
| 19. Daily Average PAD District 4 .....              | 24 |
| 20. Year-to-Date Daily Average PAD District 4 ..... | 25 |
| 21. PAD District 5 .....                            | 26 |
| 22. Year-to-Date PAD District 5 .....               | 27 |
| 23. Daily Average PAD District 5 .....              | 28 |
| 24. Year-to-Date Daily Average PAD District 5 ..... | 29 |

### Crude oil supply and disposition and production by state

|                                                                            |    |
|----------------------------------------------------------------------------|----|
| 25. Crude Oil Supply, Disposition, and Ending Stocks by PAD District ..... | 30 |
| 26. Production of Crude Oil by PAD District and State .....                | 31 |

### Natural Gas Processing

|                                                                                                           |    |
|-----------------------------------------------------------------------------------------------------------|----|
| 27. Natural Gas Plant Net Production and Stocks of Petroleum Products by PAD and Refining Districts ..... | 32 |
|-----------------------------------------------------------------------------------------------------------|----|

### Refinery Operations

|                                                                                                            |    |
|------------------------------------------------------------------------------------------------------------|----|
| 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts ..... | 33 |
| 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts ..... | 35 |
| 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts .....             | 37 |
| 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts .....             | 39 |
| 32. Blender Net Inputs of Petroleum Products by PAD District .....                                         | 41 |
| 33. Blender Net Production of Petroleum Products by PAD District .....                                     | 42 |
| 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts .....                | 43 |
| 35. Percent Yield of Petroleum Products by PAD and Refining Districts .....                                | 45 |

### Imports of residual fuel oil by state of entry

|                                                          |    |
|----------------------------------------------------------|----|
| 36. Imports of Residual Fuel Oil by Sulfur Content ..... | 46 |
|----------------------------------------------------------|----|

### Imports by PAD District

|                                                                    |    |
|--------------------------------------------------------------------|----|
| 37. Imports of Crude Oil and Petroleum Products .....              | 47 |
| 38. Year-to-Date Imports of Crude Oil and Petroleum Products ..... | 48 |

### Imports by country of origin

|                                       |    |
|---------------------------------------|----|
| 39. United States .....               | 49 |
| 40. Year-to-Date United States .....  | 53 |
| 41. PAD District 1 .....              | 57 |
| 42. PAD District 2 .....              | 61 |
| 43. PAD District 3 .....              | 65 |
| 44. PAD Districts 4 and 5 .....       | 69 |
| 45. Year-to-Date PAD District 1 ..... | 73 |
| 46. Year-to-Date PAD District 2 ..... | 77 |
| 47. Year-to-Date PAD District 3 ..... | 81 |

|                                                                                                                          |     |
|--------------------------------------------------------------------------------------------------------------------------|-----|
| 48. Year-to-Date PAD Districts 4 and 5 .....                                                                             | 85  |
| <b>Exports of Crude Oil and Petroleum Products</b>                                                                       |     |
| 49. Exports of Crude Oil and Petroleum Products by PAD District .....                                                    | 89  |
| 50. Year-to-Date Exports of Crude Oil and Petroleum Products by PAD District .....                                       | 90  |
| 51. Exports of Crude Oil and Petroleum Products by Destination.....                                                      | 91  |
| 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination .....                                        | 95  |
| <b>Net Imports</b>                                                                                                       |     |
| 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country .....                              | 99  |
| 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country .....                 | 103 |
| <b>Stocks</b>                                                                                                            |     |
| 55. Stocks of Crude Oil and Petroleum Products by PAD District .....                                                     | 107 |
| 56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State ..... | 110 |
| <b>Movements of Crude Oil, Petroleum Products, and Biofuels</b>                                                          |     |
| 57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail Between PAD Districts .....        | 112 |
| 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts.....                                 | 114 |
| 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts.....                         | 116 |
| 60. Movements of Crude Oil and Selected Products by Rail Between PAD Districts .....                                     | 118 |
| 61. Movements of Crude Oil by Pipeline, Tanker, Barge, and Rail between PAD Districts .....                              | 119 |
| 62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail Between PAD Districts.....    | 120 |
| <b>Appendices</b>                                                                                                        |     |
| A. District Descriptions and Maps .....                                                                                  | 122 |
| B. Explanatory Notes .....                                                                                               | 124 |
| D. Northeast Reserves .....                                                                                              | 140 |



**Table 1. U.S. Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, October 2022**  
(Thousand Barrels)

| Commodity                                      | Supply           |                               |                                     |                |                          | Disposition               |                                 |                |                                | Ending Stocks    |
|------------------------------------------------|------------------|-------------------------------|-------------------------------------|----------------|--------------------------|---------------------------|---------------------------------|----------------|--------------------------------|------------------|
|                                                | Field Production | Biofuels Plant Net Production | Refinery and Blender Net Production | Imports        | Adjustments <sup>1</sup> | Stock Change <sup>2</sup> | Refinery and Blender Net Inputs | Exports        | Products Supplied <sup>3</sup> |                  |
| <b>Crude Oil<sup>4</sup></b>                   | <b>383,822</b>   | --                            | --                                  | <b>193,347</b> | <b>31,456</b>            | <b>-7,196</b>             | <b>487,290</b>                  | <b>128,531</b> | <b>0</b>                       | <b>838,007</b>   |
| <b>Hydrocarbon Gas Liquids</b>                 | <b>189,673</b>   | <b>-717</b>                   | <b>12,546</b>                       | <b>5,427</b>   | --                       | <b>-648</b>               | <b>21,750</b>                   | <b>74,193</b>  | <b>111,634</b>                 | <b>242,905</b>   |
| Natural Gas Liquids                            | 189,673          | -717                          | 5,769                               | 5,141          | --                       | -91                       | 21,750                          | 74,193         | 104,014                        | 240,732          |
| Ethane                                         | 75,799           | --                            | 158                                 | --             | --                       | 553                       | --                              | 13,711         | 61,693                         | 52,712           |
| Propane                                        | 60,194           | --                            | 8,496                               | 3,692          | --                       | 4,736                     | --                              | 44,693         | 22,953                         | 86,612           |
| Normal Butane                                  | 16,961           | --                            | -2,358                              | 1,262          | --                       | -6,087                    | 9,071                           | 12,652         | 229                            | 62,478           |
| Isobutane                                      | 14,856           | --                            | -527                                | 184            | --                       | 970                       | 7,178                           | 56             | 6,309                          | 11,971           |
| Natural Gasoline                               | 21,863           | -717                          | --                                  | 3              | --                       | -263                      | 5,501                           | 3,082          | 12,829                         | 26,959           |
| Refinery Olefins                               | --               | --                            | 6,777                               | 286            | --                       | -557                      | --                              | --             | 7,620                          | 2,173            |
| Ethylene                                       | --               | --                            | 20                                  | --             | --                       | 0                         | --                              | --             | 20                             | 0                |
| Propylene                                      | --               | --                            | 6,933                               | 189            | --                       | -56                       | --                              | --             | 7,178                          | 1,027            |
| Normal Butylene                                | --               | --                            | -235                                | 97             | --                       | -499                      | --                              | --             | 361                            | 1,100            |
| Isobutylene                                    | --               | --                            | 59                                  | --             | --                       | -2                        | --                              | --             | 61                             | 46               |
| <b>Other Liquids</b>                           | --               | <b>38,284</b>                 | --                                  | <b>32,050</b>  | <b>10,155</b>            | <b>4,484</b>              | <b>55,932</b>                   | <b>10,477</b>  | <b>9,595</b>                   | <b>306,069</b>   |
| Hydrogen/Biofuels/Other Hydrocarbons           | --               | 38,285                        | --                                  | 1,305          | 5,131                    | -287                      | 36,592                          | 2,470          | 5,945                          | 26,986           |
| Hydrogen                                       | --               | --                            | --                                  | --             | 6,747                    | --                        | 6,747                           | --             | 0                              | --               |
| Biofuels (including Fuel Ethanol)              | --               | 38,285                        | --                                  | 1,302          | -1,627                   | -277                      | 29,821                          | 2,470          | 5,945                          | 26,975           |
| Fuel Ethanol <sup>5</sup>                      | --               | 31,455                        | --                                  | 193            | -1,627                   | 103                       | 27,916                          | 2,002          | 0                              | 21,632           |
| Biofuels (excluding Fuel Ethanol)              | --               | 6,830                         | --                                  | 1,109          | --                       | -380                      | 1,905                           | 468            | 5,945                          | 5,343            |
| Biodiesel                                      | --               | 3,396                         | --                                  | 658            | --                       | 81                        | 1,343                           | 468            | 2,161                          | 2,930            |
| Renewable Diesel Fuel                          | --               | 2,959                         | --                                  | 451            | --                       | -463                      | 412                             | NA             | 3,460                          | 2,235            |
| Other Biofuels <sup>6</sup>                    | --               | 475                           | --                                  | --             | --                       | 1                         | 150                             | NA             | 324                            | 178              |
| Other Hydrocarbons                             | --               | --                            | --                                  | 3              | 11                       | -10                       | 24                              | --             | 0                              | 11               |
| Unfinished Oils                                | --               | --                            | --                                  | 17,614         | --                       | 2,858                     | 4,466                           | 6,629          | 3,661                          | 85,177           |
| Motor Gasoline Blend.Comp. (MGBC) <sup>5</sup> | --               | -1                            | --                                  | 13,131         | 5,024                    | 1,922                     | 14,854                          | 1,378          | 0                              | 193,878          |
| Reformulated                                   | --               | 0                             | --                                  | 4,071          | 8,579                    | 53                        | 12,593                          | 4              | 0                              | 39,663           |
| Conventional                                   | --               | -1                            | --                                  | 9,060          | -3,555                   | 1,869                     | 2,261                           | 1,374          | 0                              | 154,214          |
| Aviation Gasoline Blend. Comp.                 | --               | --                            | --                                  | --             | --                       | -9                        | 20                              | --             | -11                            | 28               |
| <b>Finished Petroleum Products</b>             | --               | <b>234</b>                    | <b>584,096</b>                      | <b>21,282</b>  | <b>-3,397</b>            | <b>1,172</b>              | --                              | <b>89,417</b>  | <b>511,627</b>                 | <b>242,289</b>   |
| Finished Motor Gasoline                        | --               | 224                           | 299,269                             | 2,460          | -3,397                   | -522                      | --                              | 25,404         | 273,675                        | 17,101           |
| Reformulated                                   | --               | --                            | 92,880                              | --             | -7,423                   | 2                         | --                              | --             | 85,455                         | 28               |
| Conventional                                   | --               | 224                           | 206,389                             | 2,460          | 4,026                    | -524                      | --                              | 25,404         | 188,220                        | 17,073           |
| Finished Aviation Gasoline                     | --               | --                            | 403                                 | 34             | --                       | 74                        | --                              | --             | 363                            | 1,158            |
| Kerosene-Type Jet Fuel                         | --               | 6                             | 48,603                              | 4,063          | --                       | 358                       | --                              | 5,077          | 47,237                         | 36,558           |
| Kerosene                                       | --               | --                            | 509                                 | --             | --                       | 213                       | --                              | 114            | 182                            | 1,132            |
| Distillate Fuel Oil <sup>5</sup>               | --               | 4                             | 157,395                             | 3,272          | --                       | 17                        | --                              | 33,620         | 127,035                        | 110,528          |
| 15 ppm sulfur and under                        | --               | 4                             | 151,476                             | 3,264          | --                       | 616                       | --                              | 28,467         | 125,661                        | 99,846           |
| Greater than 15 ppm to 500 ppm sulfur          | --               | 0                             | 2,633                               | 6              | --                       | 158                       | --                              | 2,239          | 242                            | 2,738            |
| Greater than 500 ppm sulfur                    | --               | --                            | 3,286                               | 2              | --                       | -757                      | --                              | 2,914          | 1,131                          | 7,944            |
| Residual Fuel Oil                              | --               | --                            | 7,848                               | 6,312          | --                       | 2,448                     | --                              | 2,979          | 8,733                          | 29,782           |
| Less than 0.31 percent sulfur                  | --               | --                            | 1,387                               | 438            | --                       | 287                       | --                              | NA             | NA                             | 2,116            |
| 0.31 to 1.00 percent sulfur                    | --               | --                            | 3,629                               | 1,470          | --                       | -60                       | --                              | NA             | NA                             | 6,513            |
| Greater than 1.00 percent sulfur               | --               | --                            | 2,832                               | 4,404          | --                       | 2,221                     | --                              | NA             | NA                             | 21,153           |
| Petrochemical Feedstocks                       | --               | --                            | 6,341                               | 341            | --                       | -94                       | --                              | --             | 6,776                          | 2,429            |
| Naphtha for Petro. Feed. Use                   | --               | --                            | 3,335                               | 283            | --                       | -15                       | --                              | --             | 3,633                          | 1,799            |
| Other Oils for Petro. Feed. Use                | --               | --                            | 3,006                               | 58             | --                       | -79                       | --                              | --             | 3,143                          | 630              |
| Special Naphthas                               | --               | --                            | 876                                 | 463            | --                       | -42                       | --                              | --             | 1,381                          | 991              |
| Lubricants                                     | --               | --                            | 4,414                               | 2,202          | --                       | 167                       | --                              | 2,874          | 3,575                          | 12,008           |
| Waxes                                          | --               | --                            | 130                                 | 194            | --                       | 26                        | --                              | 131            | 167                            | 570              |
| Petroleum Coke                                 | --               | --                            | 24,394                              | 377            | --                       | -29                       | --                              | 18,813         | 5,987                          | 6,526            |
| Marketable                                     | --               | --                            | 18,516                              | 377            | --                       | -29                       | --                              | 18,813         | 109                            | 6,526            |
| Catalyst                                       | --               | --                            | 5,878                               | --             | --                       | --                        | --                              | --             | 5,878                          | --               |
| Asphalt and Road Oil                           | --               | --                            | 11,010                              | 1,563          | --                       | -1,528                    | --                              | 358            | 13,743                         | 22,568           |
| Still Gas                                      | --               | --                            | 20,216                              | --             | --                       | --                        | --                              | --             | 20,216                         | --               |
| Miscellaneous Products                         | --               | --                            | 2,688                               | 1              | --                       | 84                        | --                              | 49             | 2,556                          | 939              |
| <b>Total</b>                                   | <b>573,495</b>   | <b>37,801</b>                 | <b>596,642</b>                      | <b>252,106</b> | <b>38,214</b>            | <b>-2,188</b>             | <b>564,972</b>                  | <b>302,618</b> | <b>632,856</b>                 | <b>1,629,270</b> |

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>4</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>5</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>6</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

**Table 2. U.S. Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-October 2022**  
(Thousand Barrels)

| Commodity                                      | Supply           |                               |                                     |                  |                          | Disposition               |                                 |                  |                                | Ending Stocks    |
|------------------------------------------------|------------------|-------------------------------|-------------------------------------|------------------|--------------------------|---------------------------|---------------------------------|------------------|--------------------------------|------------------|
|                                                | Field Production | Biofuels Plant Net Production | Refinery and Blender Net Production | Imports          | Adjustments <sup>1</sup> | Stock Change <sup>2</sup> | Refinery and Blender Net Inputs | Exports          | Products Supplied <sup>3</sup> |                  |
| <b>Crude Oil<sup>4</sup></b>                   | <b>3,588,917</b> | --                            | --                                  | <b>1,918,442</b> | <b>237,544</b>           | <b>-177,095</b>           | <b>4,847,068</b>                | <b>1,074,930</b> | <b>0</b>                       | <b>838,007</b>   |
| <b>Hydrocarbon Gas Liquids</b>                 | <b>1,794,308</b> | <b>-6,704</b>                 | <b>202,333</b>                      | <b>51,620</b>    | --                       | <b>49,400</b>             | <b>177,787</b>                  | <b>721,928</b>   | <b>1,092,442</b>               | <b>242,905</b>   |
| Natural Gas Liquids                            | 1,794,308        | -6,704                        | 121,328                             | 47,079           | --                       | 49,315                    | 177,787                         | 721,928          | 1,006,981                      | 240,732          |
| Ethane                                         | 728,149          | --                            | 1,917                               | --               | --                       | -10,471                   | --                              | 134,975          | 605,562                        | 52,712           |
| Propane                                        | 564,830          | --                            | 86,559                              | 33,581           | --                       | 23,016                    | --                              | 416,246          | 245,708                        | 86,612           |
| Normal Butane                                  | 161,376          | --                            | 37,096                              | 11,140           | --                       | 28,197                    | 47,121                          | 117,903          | 16,391                         | 62,478           |
| Isobutane                                      | 136,959          | --                            | -4,244                              | 2,313            | --                       | 2,297                     | 69,038                          | 1,582            | 62,111                         | 11,971           |
| Natural Gasoline                               | 202,994          | -6,704                        | --                                  | 45               | --                       | 6,276                     | 61,628                          | 51,222           | 77,209                         | 26,959           |
| Refinery Olefins                               | --               | --                            | 81,005                              | 4,541            | --                       | 85                        | --                              | --               | 85,461                         | 2,173            |
| Ethylene                                       | --               | --                            | 237                                 | --               | --                       | 0                         | --                              | --               | 237                            | 0                |
| Propylene                                      | --               | --                            | 81,898                              | 3,868            | --                       | -370                      | --                              | --               | 86,136                         | 1,027            |
| Normal Butylene                                | --               | --                            | -1,361                              | 673              | --                       | 454                       | --                              | --               | -1,142                         | 1,100            |
| Isobutylene                                    | --               | --                            | 231                                 | --               | --                       | 1                         | --                              | --               | 230                            | 46               |
| <b>Other Liquids</b>                           | --               | <b>368,293</b>                | --                                  | <b>334,887</b>   | <b>75,010</b>            | <b>-17,348</b>            | <b>572,892</b>                  | <b>145,459</b>   | <b>77,187</b>                  | <b>306,069</b>   |
| Hydrogen/Biofuels/Other Hydrocarbons           | --               | 368,296                       | --                                  | 10,371           | 59,934                   | -1,660                    | 356,699                         | 34,971           | 48,591                         | 26,986           |
| Hydrogen                                       | --               | --                            | --                                  | --               | 67,129                   | --                        | 67,129                          | --               | 0                              | --               |
| Biofuels (including Fuel Ethanol)              | --               | 368,296                       | --                                  | 10,295           | -7,242                   | -1,655                    | 289,442                         | 34,971           | 48,591                         | 26,975           |
| Fuel Ethanol <sup>5</sup>                      | --               | 304,211                       | --                                  | 1,145            | -7,242                   | -379                      | 269,991                         | 28,501           | 0                              | 21,632           |
| Biofuels (excluding Fuel Ethanol)              | --               | 64,085                        | --                                  | 9,150            | --                       | -1,277                    | 19,451                          | 6,470            | 48,591                         | 5,343            |
| Biodiesel                                      | --               | 32,024                        | --                                  | 4,196            | --                       | -1,254                    | 13,584                          | 6,470            | 17,420                         | 2,930            |
| Renewable Diesel Fuel                          | --               | 28,339                        | --                                  | 4,892            | --                       | -118                      | 3,679                           | NA               | 29,669                         | 2,235            |
| Other Biofuels <sup>6</sup>                    | --               | 3,723                         | --                                  | 62               | --                       | 95                        | 2,188                           | NA               | 1,502                          | 178              |
| Other Hydrocarbons                             | --               | --                            | --                                  | 76               | 47                       | -5                        | 128                             | --               | 0                              | 11               |
| Unfinished Oils                                | --               | --                            | --                                  | 158,817          | --                       | 4,926                     | 34,607                          | 90,859           | 28,425                         | 85,177           |
| Motor Gasoline Blend.Comp. (MGBC) <sup>5</sup> | --               | -3                            | --                                  | 165,699          | 15,076                   | -20,616                   | 181,759                         | 19,629           | 0                              | 193,878          |
| Reformulated                                   | --               | -2                            | --                                  | 47,696           | 52,933                   | -7,693                    | 108,287                         | 33               | 0                              | 39,663           |
| Conventional                                   | --               | -1                            | --                                  | 118,003          | -37,857                  | -12,923                   | 73,472                          | 19,596           | 0                              | 154,214          |
| Aviation Gasoline Blend. Comp.                 | --               | --                            | --                                  | --               | --                       | 3                         | -173                            | --               | 170                            | 28               |
| <b>Finished Petroleum Products</b>             | --               | <b>1,994</b>                  | <b>5,706,508</b>                    | <b>233,225</b>   | <b>-7,834</b>            | <b>-18,343</b>            | --                              | <b>941,593</b>   | <b>5,010,643</b>               | <b>242,289</b>   |
| Finished Motor Gasoline                        | --               | 1,888                         | 2,910,667                           | 30,539           | -7,834                   | -642                      | --                              | 263,576          | 2,672,326                      | 17,101           |
| Reformulated                                   | --               | --                            | 897,077                             | --               | -48,912                  | 6                         | --                              | --               | 848,159                        | 28               |
| Conventional                                   | --               | 1,888                         | 2,013,590                           | 30,539           | 41,078                   | -648                      | --                              | 263,576          | 1,824,167                      | 17,073           |
| Finished Aviation Gasoline                     | --               | --                            | 3,292                               | 293              | --                       | -93                       | --                              | --               | 3,678                          | 1,158            |
| Kerosene-Type Jet Fuel                         | --               | 80                            | 491,381                             | 35,688           | --                       | 760                       | --                              | 55,389           | 471,000                        | 36,558           |
| Kerosene                                       | --               | 0                             | 2,337                               | 18               | --                       | -1,113                    | --                              | 2,273            | 1,195                          | 1,132            |
| Distillate Fuel Oil <sup>5</sup>               | --               | 26                            | 1,515,989                           | 55,237           | --                       | -19,400                   | --                              | 381,445          | 1,209,207                      | 110,528          |
| 15 ppm sulfur and under                        | --               | 26                            | 1,451,267                           | 53,343           | --                       | -20,333                   | --                              | 324,621          | 1,200,348                      | 99,846           |
| Greater than 15 ppm to 500 ppm sulfur          | --               | 0                             | 28,624                              | 1,395            | --                       | -47                       | --                              | 27,197           | 2,868                          | 2,738            |
| Greater than 500 ppm sulfur                    | --               | 0                             | 36,098                              | 499              | --                       | 980                       | --                              | 29,626           | 5,991                          | 7,944            |
| Residual Fuel Oil                              | --               | --                            | 75,972                              | 65,773           | --                       | 4,393                     | --                              | 30,672           | 106,680                        | 29,782           |
| Less than 0.31 percent sulfur                  | --               | --                            | 12,306                              | 2,488            | --                       | -424                      | --                              | NA               | NA                             | 2,116            |
| 0.31 to 1.00 percent sulfur                    | --               | --                            | 33,808                              | 9,177            | --                       | 201                       | --                              | NA               | NA                             | 6,513            |
| Greater than 1.00 percent sulfur               | --               | --                            | 29,858                              | 54,108           | --                       | 4,616                     | --                              | NA               | NA                             | 21,153           |
| Petrochemical Feedstocks                       | --               | --                            | 68,175                              | 4,604            | --                       | -111                      | --                              | --               | 72,890                         | 2,429            |
| Naphtha for Petro. Feed. Use                   | --               | --                            | 38,376                              | 3,643            | --                       | -83                       | --                              | --               | 42,102                         | 1,799            |
| Other Oils for Petro. Feed. Use                | --               | --                            | 29,799                              | 961              | --                       | -28                       | --                              | --               | 30,788                         | 630              |
| Special Naphthas                               | --               | --                            | 10,377                              | 4,261            | --                       | -57                       | --                              | --               | 14,695                         | 991              |
| Lubricants                                     | --               | --                            | 48,193                              | 15,300           | --                       | -826                      | --                              | 29,967           | 34,352                         | 12,008           |
| Waxes                                          | --               | --                            | 1,710                               | 1,819            | --                       | 21                        | --                              | 1,444            | 2,064                          | 570              |
| Petroleum Coke                                 | --               | --                            | 245,327                             | 3,170            | --                       | -294                      | --                              | 171,604          | 77,187                         | 6,526            |
| Marketable                                     | --               | --                            | 184,543                             | 3,170            | --                       | -294                      | --                              | 171,604          | 16,403                         | 6,526            |
| Catalyst                                       | --               | --                            | 60,784                              | --               | --                       | --                        | --                              | --               | 60,784                         | --               |
| Asphalt and Road Oil                           | --               | --                            | 104,490                             | 16,513           | --                       | -1,299                    | --                              | 4,678            | 117,624                        | 22,568           |
| Still Gas                                      | --               | --                            | 201,386                             | --               | --                       | --                        | --                              | --               | 201,386                        | --               |
| Miscellaneous Products                         | --               | --                            | 27,212                              | 10               | --                       | 318                       | --                              | 545              | 26,359                         | 939              |
| <b>Total</b>                                   | <b>5,383,225</b> | <b>363,583</b>                | <b>5,908,841</b>                    | <b>2,538,174</b> | <b>304,720</b>           | <b>-163,386</b>           | <b>5,597,747</b>                | <b>2,883,910</b> | <b>6,180,272</b>               | <b>1,629,270</b> |

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>4</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>5</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>6</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

**Table 3. U.S. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, October 2022**  
(Thousand Barrels per Day)

| Commodity                                            | Supply           |                               |                                     |              |                          | Disposition               |                                 |              |                                |
|------------------------------------------------------|------------------|-------------------------------|-------------------------------------|--------------|--------------------------|---------------------------|---------------------------------|--------------|--------------------------------|
|                                                      | Field Production | Biofuels Plant Net Production | Refinery and Blender Net Production | Imports      | Adjustments <sup>1</sup> | Stock Change <sup>2</sup> | Refinery and Blender Net Inputs | Exports      | Products Supplied <sup>3</sup> |
| <b>Crude Oil<sup>4</sup></b> .....                   | <b>12,381</b>    | --                            | --                                  | <b>6,237</b> | <b>1,015</b>             | <b>-232</b>               | <b>15,719</b>                   | <b>4,146</b> | <b>0</b>                       |
| <b>Hydrocarbon Gas Liquids</b> .....                 | <b>6,118</b>     | <b>-23</b>                    | <b>405</b>                          | <b>175</b>   | --                       | <b>-21</b>                | <b>702</b>                      | <b>2,393</b> | <b>3,601</b>                   |
| Natural Gas Liquids .....                            | 6,118            | -23                           | 186                                 | 166          | --                       | -3                        | 702                             | 2,393        | 3,355                          |
| Ethane .....                                         | 2,445            | --                            | 5                                   | --           | --                       | 18                        | --                              | 442          | 1,990                          |
| Propane .....                                        | 1,942            | --                            | 274                                 | 119          | --                       | 153                       | --                              | 1,442        | 740                            |
| Normal Butane .....                                  | 547              | --                            | -76                                 | 41           | --                       | -196                      | 293                             | 408          | 7                              |
| Isobutane .....                                      | 479              | --                            | -17                                 | 6            | --                       | 31                        | 232                             | 2            | 204                            |
| Natural Gasoline .....                               | 705              | -23                           | --                                  | 0            | --                       | -8                        | 177                             | 99           | 414                            |
| Refinery Olefins .....                               | --               | --                            | 219                                 | 9            | --                       | -18                       | --                              | --           | 246                            |
| Ethylene .....                                       | --               | --                            | 1                                   | --           | --                       | 0                         | --                              | --           | 1                              |
| Propylene .....                                      | --               | --                            | 224                                 | 6            | --                       | -2                        | --                              | --           | 232                            |
| Normal Butylene .....                                | --               | --                            | -8                                  | 3            | --                       | -16                       | --                              | --           | 12                             |
| Isobutylene .....                                    | --               | --                            | 2                                   | --           | --                       | 0                         | --                              | --           | 2                              |
| <b>Other Liquids</b> .....                           | --               | <b>1,235</b>                  | --                                  | <b>1,034</b> | <b>328</b>               | <b>145</b>                | <b>1,804</b>                    | <b>338</b>   | <b>310</b>                     |
| Hydrogen/Biofuels/Other Hydrocarbons .....           | --               | 1,235                         | --                                  | 42           | 166                      | -9                        | 1,180                           | 80           | 192                            |
| Hydrogen .....                                       | --               | --                            | --                                  | --           | 218                      | --                        | 218                             | --           | 0                              |
| Biofuels (including Fuel Ethanol) .....              | --               | 1,235                         | --                                  | 42           | -52                      | -9                        | 962                             | 80           | 192                            |
| Fuel Ethanol <sup>5</sup> .....                      | --               | 1,015                         | --                                  | 6            | -52                      | 3                         | 901                             | 65           | 0                              |
| Biofuels (excluding Fuel Ethanol) .....              | --               | 220                           | --                                  | 36           | --                       | -12                       | 61                              | 15           | 192                            |
| Biodiesel .....                                      | --               | 110                           | --                                  | 21           | --                       | 3                         | 43                              | 15           | 70                             |
| Renewable Diesel Fuel .....                          | --               | 95                            | --                                  | 15           | --                       | -15                       | 13                              | NA           | 112                            |
| Other Biofuels <sup>6</sup> .....                    | --               | 15                            | --                                  | --           | --                       | 0                         | 5                               | NA           | 10                             |
| Other Hydrocarbons .....                             | --               | --                            | --                                  | 0            | 0                        | 0                         | 1                               | --           | 0                              |
| Unfinished Oils .....                                | --               | --                            | --                                  | 568          | --                       | 92                        | 144                             | 214          | 118                            |
| Motor Gasoline Blend.Comp. (MGBG) <sup>5</sup> ..... | --               | 0                             | --                                  | 424          | 162                      | 62                        | 479                             | 44           | 0                              |
| Reformulated .....                                   | --               | 0                             | --                                  | 131          | 277                      | 2                         | 406                             | 0            | 0                              |
| Conventional .....                                   | --               | 0                             | --                                  | 292          | -115                     | 60                        | 73                              | 44           | 0                              |
| Aviation Gasoline Blend. Comp. ....                  | --               | --                            | --                                  | --           | --                       | 0                         | 1                               | --           | 0                              |
| <b>Finished Petroleum Products</b> .....             | --               | <b>8</b>                      | <b>18,842</b>                       | <b>687</b>   | <b>-110</b>              | <b>38</b>                 | --                              | <b>2,884</b> | <b>16,504</b>                  |
| Finished Motor Gasoline .....                        | --               | 7                             | 9,654                               | 79           | -110                     | -17                       | --                              | 819          | 8,828                          |
| Reformulated .....                                   | --               | --                            | 2,996                               | --           | -239                     | 0                         | --                              | --           | 2,757                          |
| Conventional .....                                   | --               | 7                             | 6,658                               | 79           | 130                      | -17                       | --                              | 819          | 6,072                          |
| Finished Aviation Gasoline .....                     | --               | --                            | 13                                  | 1            | --                       | 2                         | --                              | --           | 12                             |
| Kerosene-Type Jet Fuel .....                         | --               | 0                             | 1,568                               | 131          | --                       | 12                        | --                              | 164          | 1,524                          |
| Kerosene .....                                       | --               | --                            | 16                                  | --           | --                       | 7                         | --                              | 4            | 6                              |
| Distillate Fuel Oil <sup>5</sup> .....               | --               | 0                             | 5,077                               | 106          | --                       | 1                         | --                              | 1,085        | 4,098                          |
| 15 ppm sulfur and under .....                        | --               | 0                             | 4,886                               | 105          | --                       | 20                        | --                              | 918          | 4,054                          |
| Greater than 15 ppm to 500 ppm sulfur .....          | --               | 0                             | 85                                  | 0            | --                       | 5                         | --                              | 72           | 8                              |
| Greater than 500 ppm sulfur .....                    | --               | --                            | 106                                 | 0            | --                       | -24                       | --                              | 94           | 36                             |
| Residual Fuel Oil .....                              | --               | --                            | 253                                 | 204          | --                       | 79                        | --                              | 96           | 282                            |
| Less than 0.31 percent sulfur .....                  | --               | --                            | 45                                  | 14           | --                       | 9                         | --                              | NA           | NA                             |
| 0.31 to 1.00 percent sulfur .....                    | --               | --                            | 117                                 | 47           | --                       | -2                        | --                              | NA           | NA                             |
| Greater than 1.00 percent sulfur .....               | --               | --                            | 91                                  | 142          | --                       | 72                        | --                              | NA           | NA                             |
| Petrochemical Feedstocks .....                       | --               | --                            | 205                                 | 11           | --                       | -3                        | --                              | --           | 219                            |
| Naphtha for Petro. Feed. Use .....                   | --               | --                            | 108                                 | 9            | --                       | 0                         | --                              | --           | 117                            |
| Other Oils for Petro. Feed. Use .....                | --               | --                            | 97                                  | 2            | --                       | -3                        | --                              | --           | 101                            |
| Special Naphthas .....                               | --               | --                            | 28                                  | 15           | --                       | -1                        | --                              | --           | 45                             |
| Lubricants .....                                     | --               | --                            | 142                                 | 71           | --                       | 5                         | --                              | 93           | 115                            |
| Waxes .....                                          | --               | --                            | 4                                   | 6            | --                       | 1                         | --                              | 4            | 5                              |
| Petroleum Coke .....                                 | --               | --                            | 787                                 | 12           | --                       | -1                        | --                              | 607          | 193                            |
| Marketable .....                                     | --               | --                            | 597                                 | 12           | --                       | -1                        | --                              | 607          | 4                              |
| Catalyst .....                                       | --               | --                            | 190                                 | --           | --                       | --                        | --                              | --           | 190                            |
| Asphalt and Road Oil .....                           | --               | --                            | 355                                 | 50           | --                       | -49                       | --                              | 12           | 443                            |
| Still Gas .....                                      | --               | --                            | 652                                 | --           | --                       | --                        | --                              | --           | 652                            |
| Miscellaneous Products .....                         | --               | --                            | 87                                  | 0            | --                       | 3                         | --                              | 2            | 82                             |
| <b>Total</b> .....                                   | <b>18,500</b>    | <b>1,219</b>                  | <b>19,247</b>                       | <b>8,132</b> | <b>1,233</b>             | <b>-71</b>                | <b>18,225</b>                   | <b>9,762</b> | <b>20,415</b>                  |

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

<sup>1</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>4</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>5</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>6</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isocane, and Isocetene."

Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.



**Table 4. U.S. Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-October 2022**  
(Thousand Barrels per Day)

| Commodity                                            | Supply           |                               |                                     |              |                          | Disposition               |                                 |              |                                |
|------------------------------------------------------|------------------|-------------------------------|-------------------------------------|--------------|--------------------------|---------------------------|---------------------------------|--------------|--------------------------------|
|                                                      | Field Production | Biofuels Plant Net Production | Refinery and Blender Net Production | Imports      | Adjustments <sup>1</sup> | Stock Change <sup>2</sup> | Refinery and Blender Net Inputs | Exports      | Products Supplied <sup>3</sup> |
| <b>Crude Oil<sup>4</sup></b> .....                   | <b>11,806</b>    | --                            | --                                  | <b>6,311</b> | <b>781</b>               | <b>-583</b>               | <b>15,944</b>                   | <b>3,536</b> | <b>0</b>                       |
| <b>Hydrocarbon Gas Liquids</b> .....                 | <b>5,902</b>     | <b>-22</b>                    | <b>666</b>                          | <b>170</b>   | --                       | <b>162</b>                | <b>585</b>                      | <b>2,375</b> | <b>3,594</b>                   |
| Natural Gas Liquids .....                            | 5,902            | -22                           | 399                                 | 155          | --                       | 162                       | 585                             | 2,375        | 3,312                          |
| Ethane .....                                         | 2,395            | --                            | 6                                   | --           | --                       | -34                       | --                              | 444          | 1,992                          |
| Propane .....                                        | 1,858            | --                            | 285                                 | 110          | --                       | 76                        | --                              | 1,369        | 808                            |
| Normal Butane .....                                  | 531              | --                            | 122                                 | 37           | --                       | 93                        | 155                             | 388          | 54                             |
| Isobutane .....                                      | 451              | --                            | -14                                 | 8            | --                       | 8                         | 227                             | 5            | 204                            |
| Natural Gasoline .....                               | 668              | -22                           | --                                  | 0            | --                       | 21                        | 203                             | 168          | 254                            |
| Refinery Olefins .....                               | --               | --                            | 266                                 | 15           | --                       | 0                         | --                              | --           | 281                            |
| Ethylene .....                                       | --               | --                            | 1                                   | --           | --                       | 0                         | --                              | --           | 1                              |
| Propylene .....                                      | --               | --                            | 269                                 | 13           | --                       | -1                        | --                              | --           | 283                            |
| Normal Butylene .....                                | --               | --                            | -4                                  | 2            | --                       | 1                         | --                              | --           | -4                             |
| Isobutylene .....                                    | --               | --                            | 1                                   | --           | --                       | 0                         | --                              | --           | 1                              |
| <b>Other Liquids</b> .....                           | --               | <b>1,211</b>                  | --                                  | <b>1,102</b> | <b>247</b>               | <b>-57</b>                | <b>1,885</b>                    | <b>478</b>   | <b>254</b>                     |
| Hydrogen/Biofuels/Other Hydrocarbons .....           | --               | 1,212                         | --                                  | 34           | 197                      | -5                        | 1,173                           | 115          | 160                            |
| Hydrogen .....                                       | --               | --                            | --                                  | --           | 221                      | --                        | 221                             | --           | 0                              |
| Biofuels (including Fuel Ethanol) .....              | --               | 1,212                         | --                                  | 34           | -24                      | -5                        | 952                             | 115          | 160                            |
| Fuel Ethanol <sup>5</sup> .....                      | --               | 1,001                         | --                                  | 4            | -24                      | -1                        | 888                             | 94           | 0                              |
| Biofuels (excluding Fuel Ethanol) .....              | --               | 211                           | --                                  | 30           | --                       | -4                        | 64                              | 21           | 160                            |
| Biodiesel .....                                      | --               | 105                           | --                                  | 14           | --                       | -4                        | 45                              | 21           | 57                             |
| Renewable Diesel Fuel .....                          | --               | 93                            | --                                  | 16           | --                       | 0                         | 12                              | NA           | 98                             |
| Other Biofuels <sup>6</sup> .....                    | --               | 12                            | --                                  | 0            | --                       | 0                         | 7                               | NA           | 5                              |
| Other Hydrocarbons .....                             | --               | --                            | --                                  | 0            | 0                        | 0                         | 0                               | --           | 0                              |
| Unfinished Oils .....                                | --               | --                            | --                                  | 522          | --                       | 16                        | 114                             | 299          | 94                             |
| Motor Gasoline Blend.Comp. (MGBC) <sup>5</sup> ..... | --               | 0                             | --                                  | 545          | 50                       | -68                       | 598                             | 65           | 0                              |
| Reformulated .....                                   | --               | 0                             | --                                  | 157          | 174                      | -25                       | 356                             | 0            | 0                              |
| Conventional .....                                   | --               | 0                             | --                                  | 388          | -125                     | -43                       | 242                             | 64           | 0                              |
| Aviation Gasoline Blend. Comp. ....                  | --               | --                            | --                                  | --           | --                       | 0                         | -1                              | --           | 1                              |
| <b>Finished Petroleum Products</b> .....             | --               | <b>7</b>                      | <b>18,771</b>                       | <b>767</b>   | <b>-26</b>               | <b>-60</b>                | --                              | <b>3,097</b> | <b>16,482</b>                  |
| Finished Motor Gasoline .....                        | --               | 6                             | 9,575                               | 100          | -26                      | -2                        | --                              | 867          | 8,791                          |
| Reformulated .....                                   | --               | --                            | 2,951                               | --           | -161                     | 0                         | --                              | --           | 2,790                          |
| Conventional .....                                   | --               | 6                             | 6,624                               | 100          | 135                      | -2                        | --                              | 867          | 6,001                          |
| Finished Aviation Gasoline .....                     | --               | --                            | 11                                  | 1            | --                       | 0                         | --                              | --           | 12                             |
| Kerosene-Type Jet Fuel .....                         | --               | 0                             | 1,616                               | 117          | --                       | 3                         | --                              | 182          | 1,549                          |
| Kerosene .....                                       | --               | 0                             | 8                                   | 0            | --                       | -4                        | --                              | 7            | 4                              |
| Distillate Fuel Oil <sup>5</sup> .....               | --               | 0                             | 4,987                               | 182          | --                       | -64                       | --                              | 1,255        | 3,978                          |
| 15 ppm sulfur and under .....                        | --               | 0                             | 4,774                               | 175          | --                       | -67                       | --                              | 1,068        | 3,949                          |
| Greater than 15 ppm to 500 ppm sulfur .....          | --               | 0                             | 94                                  | 5            | --                       | 0                         | --                              | 89           | 9                              |
| Greater than 500 ppm sulfur .....                    | --               | 0                             | 119                                 | 2            | --                       | 3                         | --                              | 97           | 20                             |
| Residual Fuel Oil .....                              | --               | --                            | 250                                 | 216          | --                       | 14                        | --                              | 101          | 351                            |
| Less than 0.31 percent sulfur .....                  | --               | --                            | 40                                  | 8            | --                       | -1                        | --                              | NA           | NA                             |
| 0.31 to 1.00 percent sulfur .....                    | --               | --                            | 111                                 | 30           | --                       | 1                         | --                              | NA           | NA                             |
| Greater than 1.00 percent sulfur .....               | --               | --                            | 98                                  | 178          | --                       | 15                        | --                              | NA           | NA                             |
| Petrochemical Feedstocks .....                       | --               | --                            | 224                                 | 15           | --                       | 0                         | --                              | --           | 240                            |
| Naphtha for Petro. Feed. Use .....                   | --               | --                            | 126                                 | 12           | --                       | 0                         | --                              | --           | 138                            |
| Other Oils for Petro. Feed. Use .....                | --               | --                            | 98                                  | 3            | --                       | 0                         | --                              | --           | 101                            |
| Special Naphthas .....                               | --               | --                            | 34                                  | 14           | --                       | 0                         | --                              | --           | 48                             |
| Lubricants .....                                     | --               | --                            | 159                                 | 50           | --                       | -3                        | --                              | 99           | 113                            |
| Waxes .....                                          | --               | --                            | 6                                   | 6            | --                       | 0                         | --                              | 5            | 7                              |
| Petroleum Coke .....                                 | --               | --                            | 807                                 | 10           | --                       | -1                        | --                              | 564          | 254                            |
| Marketable .....                                     | --               | --                            | 607                                 | 10           | --                       | -1                        | --                              | 564          | 54                             |
| Catalyst .....                                       | --               | --                            | 200                                 | --           | --                       | --                        | --                              | --           | 200                            |
| Asphalt and Road Oil .....                           | --               | --                            | 344                                 | 54           | --                       | -4                        | --                              | 15           | 387                            |
| Still Gas .....                                      | --               | --                            | 662                                 | --           | --                       | --                        | --                              | --           | 662                            |
| Miscellaneous Products .....                         | --               | --                            | 90                                  | 0            | --                       | 1                         | --                              | 2            | 87                             |
| <b>Total</b> .....                                   | <b>17,708</b>    | <b>1,196</b>                  | <b>19,437</b>                       | <b>8,349</b> | <b>1,002</b>             | <b>-537</b>               | <b>18,414</b>                   | <b>9,487</b> | <b>20,330</b>                  |

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

<sup>1</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>4</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>5</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>6</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates. Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isocane, and Isocetene."

Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

**Table 5. PAD District 1 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, October 2022**  
(Thousand Barrels)

| Commodity                                      | Supply           |                               |                                     |                                      |                           |                          | Disposition               |                                 |              |                                |                |
|------------------------------------------------|------------------|-------------------------------|-------------------------------------|--------------------------------------|---------------------------|--------------------------|---------------------------|---------------------------------|--------------|--------------------------------|----------------|
|                                                | Field Production | Biofuels Plant Net Production | Refinery and Blender Net Production | Imports (PADD of Entry) <sup>1</sup> | Net Receipts <sup>2</sup> | Adjustments <sup>3</sup> | Stock Change <sup>4</sup> | Refinery and Blender Net Inputs | Exports      | Products Supplied <sup>5</sup> | Ending Stocks  |
| <b>Crude Oil</b>                               | <b>1,845</b>     | --                            | --                                  | <b>20,628</b>                        | <b>2,901</b>              | <b>1,054</b>             | <b>814</b>                | <b>24,143</b>                   | <b>1,471</b> | <b>0</b>                       | <b>8,411</b>   |
| <b>Hydrocarbon Gas Liquids</b>                 | <b>20,581</b>    | <b>-9</b>                     | <b>540</b>                          | <b>580</b>                           | <b>1,359</b>              | --                       | <b>994</b>                | <b>2,471</b>                    | <b>6,059</b> | <b>13,527</b>                  | <b>12,582</b>  |
| Natural Gas Liquids                            | 20,581           | -9                            | 63                                  | 530                                  | 1,026                     | --                       | 931                       | 2,471                           | 6,059        | 12,730                         | 12,279         |
| Ethane                                         | 8,893            | --                            | --                                  | --                                   | -5,598                    | --                       | 202                       | --                              | 1,954        | 1,139                          | 1,169          |
| Propane                                        | 6,807            | --                            | 433                                 | 490                                  | 5,875                     | --                       | 827                       | --                              | 3,705        | 9,073                          | 8,471          |
| Normal Butane                                  | 2,027            | --                            | -341                                | 32                                   | 1,460                     | --                       | 5                         | 1,896                           | 359          | 918                            | 2,245          |
| Isobutane                                      | 964              | --                            | -29                                 | 8                                    | -443                      | --                       | -11                       | 151                             | 0            | 360                            | 103            |
| Natural Gasoline                               | 1,890            | -9                            | --                                  | --                                   | -268                      | --                       | -92                       | 424                             | 41           | 1,240                          | 291            |
| Refinery Olefins                               | --               | --                            | 477                                 | 50                                   | 333                       | --                       | 63                        | --                              | --           | 797                            | 303            |
| Ethylene                                       | --               | --                            | 15                                  | --                                   | --                        | --                       | --                        | --                              | --           | 15                             | --             |
| Propylene                                      | --               | --                            | 402                                 | 50                                   | 333                       | --                       | 55                        | --                              | --           | 730                            | 170            |
| Normal Butylene                                | --               | --                            | 1                                   | --                                   | --                        | --                       | 10                        | --                              | --           | -9                             | 87             |
| Isobutylene                                    | --               | --                            | 59                                  | --                                   | --                        | --                       | -2                        | --                              | --           | 61                             | 46             |
| <b>Other Liquids</b>                           | --               | <b>538</b>                    | --                                  | <b>11,851</b>                        | <b>62,360</b>             | <b>9,159</b>             | <b>-3,384</b>             | <b>86,241</b>                   | <b>140</b>   | <b>910</b>                     | <b>59,510</b>  |
| Hydrogen/Biofuels/Other Hydrocarbons           | --               | 538                           | --                                  | 506                                  | 9,330                     | -56                      | -728                      | 10,573                          | 121          | 351                            | 7,363          |
| Hydrogen                                       | --               | --                            | --                                  | --                                   | --                        | 78                       | --                        | 78                              | --           | 0                              | --             |
| Biofuels (including Fuel Ethanol)              | --               | 538                           | --                                  | 506                                  | 9,330                     | -134                     | -728                      | 10,495                          | 121          | 351                            | 7,363          |
| Fuel Ethanol <sup>6</sup>                      | --               | 369                           | --                                  | 193                                  | 9,196                     | -134                     | -612                      | 10,118                          | 119          | 0                              | 6,468          |
| Biofuels (excluding Fuel Ethanol) <sup>7</sup> | --               | 170                           | --                                  | 313                                  | 133                       | --                       | -115                      | 377                             | 3            | 351                            | 895            |
| Other Hydrocarbons                             | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --           | --                             | --             |
| Unfinished Oils                                | --               | --                            | --                                  | 1,780                                | -30                       | --                       | 209                       | 965                             | 17           | 559                            | 3,780          |
| Motor Gasoline Blend.Comp. (MGBC)              | --               | --                            | --                                  | 9,565                                | 53,060                    | 9,215                    | -2,865                    | 74,703                          | 2            | 0                              | 48,367         |
| Reformulated                                   | --               | --                            | --                                  | 3,745                                | 6,656                     | 2,256                    | -2,126                    | 14,783                          | 0            | 0                              | 12,809         |
| Conventional                                   | --               | --                            | --                                  | 5,820                                | 46,404                    | 6,959                    | -739                      | 59,920                          | 2            | 0                              | 35,558         |
| Aviation Gasoline Blend. Comp.                 | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --           | --                             | --             |
| <b>Finished Petroleum Products</b>             | --               | <b>1</b>                      | <b>113,734</b>                      | <b>9,370</b>                         | <b>45,476</b>             | <b>-9,081</b>            | <b>1,655</b>              | --                              | <b>1,461</b> | <b>156,384</b>                 | <b>50,712</b>  |
| Finished Motor Gasoline                        | --               | --                            | 99,148                              | 1,278                                | 2,317                     | -9,081                   | 76                        | --                              | 24           | 93,562                         | 3,247          |
| Reformulated                                   | --               | --                            | 36,426                              | --                                   | --                        | -3,039                   | 0                         | --                              | --           | 33,387                         | 5              |
| Conventional                                   | --               | --                            | 62,722                              | 1,278                                | 2,317                     | -6,042                   | 76                        | --                              | 24           | 60,175                         | 3,242          |
| Finished Aviation Gasoline                     | --               | --                            | --                                  | 27                                   | 117                       | --                       | 10                        | --                              | --           | 134                            | 213            |
| Kerosene-Type Jet Fuel                         | --               | --                            | 2,886                               | 1,741                                | 14,411                    | --                       | 221                       | --                              | 117          | 18,700                         | 8,580          |
| Kerosene                                       | --               | --                            | 151                                 | --                                   | 37                        | --                       | 113                       | --                              | 88           | -13                            | 523            |
| Distillate Fuel Oil <sup>6</sup>               | --               | 1                             | 7,018                               | 2,533                                | 26,849                    | --                       | 854                       | --                              | 291          | 35,256                         | 26,425         |
| 15 ppm sulfur and under                        | --               | 1                             | 7,015                               | 2,529                                | 25,953                    | --                       | 948                       | --                              | 201          | 34,349                         | 24,288         |
| Greater than 15 ppm to 500 ppm sulfur          | --               | --                            | 30                                  | 4                                    | 1                         | --                       | 109                       | --                              | 89           | -163                           | 785            |
| Greater than 500 ppm sulfur                    | --               | --                            | -27                                 | --                                   | 895                       | --                       | -203                      | --                              | 1            | 1,070                          | 1,352          |
| Residual Fuel Oil                              | --               | --                            | 1,237                               | 2,482                                | --                        | --                       | 846                       | --                              | 8            | 2,865                          | 5,464          |
| Less than 0.31 percent sulfur                  | --               | --                            | 0                                   | 438                                  | --                        | --                       | -29                       | --                              | NA           | NA                             | 380            |
| 0.31 to 1.00 percent sulfur                    | --               | --                            | 1,033                               | 866                                  | --                        | --                       | 169                       | --                              | NA           | NA                             | 1,062          |
| Greater than 1.00 percent sulfur               | --               | --                            | 204                                 | 1,178                                | --                        | --                       | 706                       | --                              | NA           | NA                             | 4,022          |
| Petrochemical Feedstocks                       | --               | --                            | --                                  | 1                                    | --                        | --                       | --                        | --                              | --           | 1                              | --             |
| Naphtha for Petro. Feed. Use                   | --               | --                            | --                                  | 1                                    | --                        | --                       | --                        | --                              | --           | 1                              | --             |
| Other Oils for Petro. Feed. Use                | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --           | --                             | --             |
| Special Naphthas                               | --               | --                            | 8                                   | 2                                    | --                        | --                       | 11                        | --                              | --           | -1                             | 52             |
| Lubricants                                     | --               | --                            | 406                                 | 171                                  | 389                       | --                       | 75                        | --                              | 202          | 689                            | 1,488          |
| Waxes                                          | --               | --                            | -15                                 | 95                                   | --                        | --                       | 13                        | --                              | 65           | 2                              | 199            |
| Petroleum Coke                                 | --               | --                            | 747                                 | --                                   | 308                       | --                       | --                        | --                              | 559          | 496                            | --             |
| Marketable                                     | --               | --                            | 278                                 | --                                   | 308                       | --                       | --                        | --                              | 559          | 27                             | --             |
| Catalyst                                       | --               | --                            | 469                                 | --                                   | --                        | --                       | --                        | --                              | --           | 469                            | --             |
| Asphalt and Road Oil                           | --               | --                            | 1,224                               | 1,040                                | 1,048                     | --                       | -557                      | --                              | 91           | 3,778                          | 4,453          |
| Still Gas                                      | --               | --                            | 831                                 | --                                   | --                        | --                       | --                        | --                              | --           | 831                            | --             |
| Miscellaneous Products                         | --               | --                            | 93                                  | --                                   | --                        | --                       | -7                        | --                              | 17           | 83                             | 68             |
| <b>Total</b>                                   | <b>22,426</b>    | <b>530</b>                    | <b>114,274</b>                      | <b>42,429</b>                        | <b>112,096</b>            | <b>1,132</b>             | <b>79</b>                 | <b>112,855</b>                  | <b>9,132</b> | <b>170,821</b>                 | <b>131,216</b> |

-- = Not Applicable.

NA = No Data Reported.

-- = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>7</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report,"

EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic

Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data

from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA

analysis of data from the Surface Transportation Board and other information.

**Table 6. PAD District 1 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-October 2022**  
(Thousand Barrels)

| Commodity                                      | Supply           |                               |                                     |                                      |                           |                          | Disposition               |                                 |                |                                |                |
|------------------------------------------------|------------------|-------------------------------|-------------------------------------|--------------------------------------|---------------------------|--------------------------|---------------------------|---------------------------------|----------------|--------------------------------|----------------|
|                                                | Field Production | Biofuels Plant Net Production | Refinery and Blender Net Production | Imports (PADD of Entry) <sup>1</sup> | Net Receipts <sup>2</sup> | Adjustments <sup>3</sup> | Stock Change <sup>4</sup> | Refinery and Blender Net Inputs | Exports        | Products Supplied <sup>5</sup> | Ending Stocks  |
| <b>Crude Oil</b>                               | <b>18,878</b>    | --                            | --                                  | <b>179,899</b>                       | <b>27,032</b>             | <b>14,902</b>            | <b>757</b>                | <b>224,244</b>                  | <b>15,709</b>  | <b>0</b>                       | <b>8,411</b>   |
| <b>Hydrocarbon Gas Liquids</b>                 | <b>190,662</b>   | <b>-88</b>                    | <b>7,091</b>                        | <b>11,944</b>                        | <b>20,283</b>             | --                       | <b>2,368</b>              | <b>10,159</b>                   | <b>78,999</b>  | <b>138,366</b>                 | <b>12,582</b>  |
| Natural Gas Liquids                            | 190,662          | -88                           | 3,299                               | 9,280                                | 16,991                    | --                       | 2,324                     | 10,159                          | 78,999         | 128,662                        | 12,279         |
| Ethane                                         | 76,650           | --                            | --                                  | --                                   | -51,587                   | --                       | 485                       | --                              | 21,616         | 2,962                          | 1,169          |
| Propane                                        | 66,229           | --                            | 4,112                               | 8,667                                | 59,746                    | --                       | 950                       | --                              | 43,067         | 94,737                         | 8,471          |
| Normal Butane                                  | 20,163           | --                            | -272                                | 430                                  | 14,872                    | --                       | 892                       | 6,970                           | 13,633         | 13,698                         | 2,245          |
| Isobutane                                      | 9,045            | --                            | -541                                | 183                                  | -3,439                    | --                       | -33                       | 1,246                           | 7              | 4,028                          | 103            |
| Natural Gasoline                               | 18,575           | -88                           | --                                  | --                                   | -2,601                    | --                       | 30                        | 1,943                           | 675            | 13,237                         | 291            |
| Refinery Olefins                               | --               | --                            | 3,792                               | 2,664                                | 3,292                     | --                       | 44                        | --                              | --             | 9,704                          | 303            |
| Ethylene                                       | --               | --                            | 147                                 | --                                   | --                        | --                       | --                        | --                              | --             | 147                            | --             |
| Propylene                                      | --               | --                            | 3,164                               | 2,664                                | 3,292                     | --                       | 24                        | --                              | --             | 9,096                          | 170            |
| Normal Butylene                                | --               | --                            | -1                                  | --                                   | --                        | --                       | 3                         | --                              | --             | -4                             | 87             |
| Isobutylene                                    | --               | --                            | 482                                 | --                                   | --                        | --                       | 17                        | --                              | --             | 465                            | 46             |
| <b>Other Liquids</b>                           | --               | <b>4,784</b>                  | --                                  | <b>147,993</b>                       | <b>603,833</b>            | <b>94,459</b>            | <b>-10,037</b>            | <b>855,601</b>                  | <b>2,630</b>   | <b>2,875</b>                   | <b>59,510</b>  |
| Hydrogen/Biofuels/Other Hydrocarbons           | --               | 4,784                         | --                                  | 1,964                                | 88,371                    | 10,143                   | 295                       | 102,150                         | 1,697          | 1,120                          | 7,363          |
| Hydrogen                                       | --               | --                            | --                                  | --                                   | --                        | 943                      | --                        | 943                             | --             | 0                              | --             |
| Biofuels (including Fuel Ethanol)              | --               | 4,784                         | --                                  | 1,964                                | 88,371                    | 9,200                    | 295                       | 101,207                         | 1,697          | 1,120                          | 7,363          |
| Fuel Ethanol <sup>6</sup>                      | --               | 3,461                         | --                                  | 193                                  | 86,766                    | 9,200                    | 441                       | 97,784                          | 1,396          | 0                              | 6,468          |
| Biofuels (excluding Fuel Ethanol) <sup>7</sup> | --               | 1,322                         | --                                  | 1,771                                | 1,605                     | --                       | -146                      | 3,423                           | 302            | 1,120                          | 895            |
| Other Hydrocarbons                             | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --             | --                             | --             |
| Unfinished Oils                                | --               | --                            | --                                  | 11,777                               | 17                        | --                       | 208                       | 9,285                           | 546            | 1,755                          | 3,780          |
| Motor Gasoline Blend.Comp. (MGBC)              | --               | --                            | --                                  | 134,252                              | 515,445                   | 84,316                   | -10,540                   | 744,166                         | 387            | 0                              | 48,367         |
| Reformulated                                   | --               | --                            | --                                  | 45,664                               | 83,411                    | 13,344                   | -6,574                    | 148,984                         | 9              | 0                              | 12,809         |
| Conventional                                   | --               | --                            | --                                  | 88,588                               | 432,034                   | 70,972                   | -3,966                    | 595,182                         | 378            | 0                              | 35,558         |
| Aviation Gasoline Blend. Comp.                 | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --             | --                             | --             |
| <b>Finished Petroleum Products</b>             | --               | <b>5</b>                      | <b>1,093,758</b>                    | <b>106,910</b>                       | <b>423,135</b>            | <b>-93,516</b>           | <b>-19,765</b>            | --                              | <b>21,313</b>  | <b>1,528,744</b>               | <b>50,712</b>  |
| Finished Motor Gasoline                        | --               | --                            | 959,442                             | 22,648                               | 23,438                    | -93,516                  | 331                       | --                              | 736            | 910,946                        | 3,247          |
| Reformulated                                   | --               | --                            | 352,156                             | --                                   | --                        | -19,524                  | -1                        | --                              | --             | 332,633                        | 5              |
| Conventional                                   | --               | --                            | 607,286                             | 22,648                               | 23,438                    | -73,992                  | 332                       | --                              | 736            | 578,312                        | 3,242          |
| Finished Aviation Gasoline                     | --               | --                            | -8                                  | 143                                  | 788                       | --                       | -34                       | --                              | --             | 957                            | 213            |
| Kerosene-Type Jet Fuel                         | --               | --                            | 27,135                              | 8,542                                | 139,537                   | --                       | -577                      | --                              | 306            | 175,485                        | 8,580          |
| Kerosene                                       | --               | --                            | 443                                 | --                                   | 209                       | --                       | -1,235                    | --                              | 116            | 1,771                          | 523            |
| Distillate Fuel Oil <sup>6</sup>               | --               | 5                             | 64,546                              | 43,351                               | 239,301                   | --                       | -18,157                   | --                              | 7,684          | 357,676                        | 26,425         |
| 15 ppm sulfur and under                        | --               | 5                             | 65,889                              | 43,228                               | 231,011                   | --                       | -16,854                   | --                              | 6,056          | 350,932                        | 24,288         |
| Greater than 15 ppm to 500 ppm sulfur          | --               | --                            | 91                                  | 61                                   | 70                        | --                       | -250                      | --                              | 1,179          | -707                           | 785            |
| Greater than 500 ppm sulfur                    | --               | --                            | -1,434                              | 62                                   | 8,220                     | --                       | -1,053                    | --                              | 450            | 7,451                          | 1,352          |
| Residual Fuel Oil                              | --               | --                            | 12,743                              | 19,140                               | 265                       | --                       | 923                       | --                              | 2,077          | 29,148                         | 5,464          |
| Less than 0.31 percent sulfur                  | --               | --                            | -61                                 | 1,608                                | 93                        | --                       | 73                        | --                              | NA             | NA                             | 380            |
| 0.31 to 1.00 percent sulfur                    | --               | --                            | 9,725                               | 5,313                                | --                        | --                       | -231                      | --                              | NA             | NA                             | 1,062          |
| Greater than 1.00 percent sulfur               | --               | --                            | 3,079                               | 12,219                               | 172                       | --                       | 1,081                     | --                              | NA             | NA                             | 4,022          |
| Petrochemical Feedstocks                       | --               | --                            | --                                  | 495                                  | --                        | --                       | --                        | --                              | --             | 495                            | --             |
| Naphtha for Petro. Feed. Use                   | --               | --                            | --                                  | 484                                  | --                        | --                       | --                        | --                              | --             | 484                            | --             |
| Other Oils for Petro. Feed. Use                | --               | --                            | --                                  | 11                                   | --                        | --                       | --                        | --                              | --             | 11                             | --             |
| Special Naphthas                               | --               | --                            | 108                                 | 117                                  | 25                        | --                       | 24                        | --                              | --             | 226                            | 52             |
| Lubricants                                     | --               | --                            | 3,742                               | 1,307                                | 5,097                     | --                       | -7                        | --                              | 2,387          | 7,766                          | 1,488          |
| Waxes                                          | --               | --                            | -88                                 | 987                                  | --                        | --                       | -36                       | --                              | 802            | 133                            | 199            |
| Petroleum Coke                                 | --               | --                            | 6,845                               | 12                                   | 3,312                     | --                       | --                        | --                              | 6,210          | 3,959                          | --             |
| Marketable                                     | --               | --                            | 2,555                               | 12                                   | 3,312                     | --                       | --                        | --                              | 6,210          | -331                           | --             |
| Catalyst                                       | --               | --                            | 4,290                               | --                                   | --                        | --                       | --                        | --                              | --             | 4,290                          | --             |
| Asphalt and Road Oil                           | --               | --                            | 9,613                               | 10,168                               | 11,162                    | --                       | -998                      | --                              | 810            | 31,131                         | 4,453          |
| Still Gas                                      | --               | --                            | 8,338                               | --                                   | --                        | --                       | --                        | --                              | --             | 8,338                          | --             |
| Miscellaneous Products                         | --               | --                            | 899                                 | --                                   | --                        | --                       | 1                         | --                              | 185            | 713                            | 68             |
| <b>Total</b>                                   | <b>209,540</b>   | <b>4,701</b>                  | <b>1,100,849</b>                    | <b>446,746</b>                       | <b>1,074,283</b>          | <b>15,845</b>            | <b>-26,676</b>            | <b>1,090,004</b>                | <b>118,651</b> | <b>1,669,984</b>               | <b>131,216</b> |

-- = Not Applicable.

NA = No Data Reported.

-- = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>7</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 7. PAD District 1 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, October 2022**  
(Thousand Barrels per Day)

| Commodity                                      | Supply           |                               |                                     |                                      |                           |                          | Disposition               |                                 |            |                                |
|------------------------------------------------|------------------|-------------------------------|-------------------------------------|--------------------------------------|---------------------------|--------------------------|---------------------------|---------------------------------|------------|--------------------------------|
|                                                | Field Production | Biofuels Plant Net Production | Refinery and Blender Net Production | Imports (PADD of Entry) <sup>1</sup> | Net Receipts <sup>2</sup> | Adjustments <sup>3</sup> | Stock Change <sup>4</sup> | Refinery and Blender Net Inputs | Exports    | Products Supplied <sup>5</sup> |
| <b>Crude Oil</b>                               | <b>60</b>        | --                            | --                                  | <b>665</b>                           | <b>94</b>                 | <b>34</b>                | <b>26</b>                 | <b>779</b>                      | <b>47</b>  | <b>0</b>                       |
| <b>Hydrocarbon Gas Liquids</b>                 | <b>664</b>       | <b>0</b>                      | <b>17</b>                           | <b>19</b>                            | <b>44</b>                 | --                       | <b>32</b>                 | <b>80</b>                       | <b>195</b> | <b>436</b>                     |
| Natural Gas Liquids                            | 664              | 0                             | 2                                   | 17                                   | 33                        | --                       | 30                        | 80                              | 195        | 411                            |
| Ethane                                         | 287              | --                            | --                                  | --                                   | -181                      | --                       | 7                         | --                              | 63         | 37                             |
| Propane                                        | 220              | --                            | 14                                  | 16                                   | 190                       | --                       | 27                        | --                              | 120        | 293                            |
| Normal Butane                                  | 65               | --                            | -11                                 | 1                                    | 47                        | --                       | 0                         | 61                              | 12         | 30                             |
| Isobutane                                      | 31               | --                            | -1                                  | 0                                    | -14                       | --                       | 0                         | 5                               | 0          | 12                             |
| Natural Gasoline                               | 61               | 0                             | --                                  | --                                   | -9                        | --                       | -3                        | 14                              | 1          | 40                             |
| Refinery Olefins                               | --               | --                            | 15                                  | 2                                    | 11                        | --                       | 2                         | --                              | --         | 26                             |
| Ethylene                                       | --               | --                            | 0                                   | --                                   | --                        | --                       | --                        | --                              | --         | 0                              |
| Propylene                                      | --               | --                            | 13                                  | 2                                    | 11                        | --                       | 2                         | --                              | --         | 24                             |
| Normal Butylene                                | --               | --                            | 0                                   | --                                   | --                        | --                       | 0                         | --                              | --         | 0                              |
| Isobutylene                                    | --               | --                            | 2                                   | --                                   | --                        | --                       | 0                         | --                              | --         | 2                              |
| <b>Other Liquids</b>                           | --               | <b>17</b>                     | --                                  | <b>382</b>                           | <b>2,012</b>              | <b>295</b>               | <b>-109</b>               | <b>2,782</b>                    | <b>5</b>   | <b>29</b>                      |
| Hydrogen/Biofuels/Other Hydrocarbons           | --               | 17                            | --                                  | 16                                   | 301                       | -2                       | -23                       | 341                             | 4          | 11                             |
| Hydrogen                                       | --               | --                            | --                                  | --                                   | --                        | 3                        | --                        | 3                               | --         | 0                              |
| Biofuels (including Fuel Ethanol)              | --               | 17                            | --                                  | 16                                   | 301                       | -4                       | -23                       | 339                             | 4          | 11                             |
| Fuel Ethanol <sup>6</sup>                      | --               | 12                            | --                                  | 6                                    | 297                       | -4                       | -20                       | 326                             | 4          | 0                              |
| Biofuels (excluding Fuel Ethanol) <sup>7</sup> | --               | 5                             | --                                  | 10                                   | 4                         | --                       | -4                        | 12                              | 0          | 11                             |
| Other Hydrocarbons                             | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --         | --                             |
| Unfinished Oils                                | --               | --                            | --                                  | 57                                   | -1                        | --                       | 7                         | 31                              | 1          | 18                             |
| Motor Gasoline Blend.Comp. (MGBC) <sup>6</sup> | --               | --                            | --                                  | 309                                  | 1,712                     | 297                      | -92                       | 2,410                           | 0          | 0                              |
| Reformulated                                   | --               | --                            | --                                  | 121                                  | 215                       | 73                       | -69                       | 477                             | 0          | 0                              |
| Conventional                                   | --               | --                            | --                                  | 188                                  | 1,497                     | 224                      | -24                       | 1,933                           | 0          | 0                              |
| Aviation Gasoline Blend. Comp.                 | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --         | --                             |
| <b>Finished Petroleum Products</b>             | --               | <b>0</b>                      | <b>3,669</b>                        | <b>302</b>                           | <b>1,467</b>              | <b>-293</b>              | <b>53</b>                 | --                              | <b>47</b>  | <b>5,045</b>                   |
| Finished Motor Gasoline                        | --               | --                            | 3,198                               | 41                                   | 75                        | -293                     | 2                         | --                              | 1          | 3,018                          |
| Reformulated                                   | --               | --                            | 1,175                               | --                                   | --                        | -98                      | 0                         | --                              | --         | 1,077                          |
| Conventional                                   | --               | --                            | 2,023                               | 41                                   | 75                        | -195                     | 2                         | --                              | 1          | 1,941                          |
| Finished Aviation Gasoline                     | --               | --                            | --                                  | 1                                    | 4                         | --                       | 0                         | --                              | --         | 4                              |
| Kerosene-Type Jet Fuel                         | --               | --                            | 93                                  | 56                                   | 465                       | --                       | 7                         | --                              | 4          | 603                            |
| Kerosene                                       | --               | --                            | 5                                   | --                                   | 1                         | --                       | 4                         | --                              | 3          | 0                              |
| Distillate Fuel Oil <sup>6</sup>               | --               | 0                             | 226                                 | 82                                   | 866                       | --                       | 28                        | --                              | 9          | 1,137                          |
| 15 ppm sulfur and under                        | --               | 0                             | 226                                 | 82                                   | 837                       | --                       | 31                        | --                              | 6          | 1,108                          |
| Greater than 15 ppm to 500 ppm sulfur          | --               | --                            | 1                                   | 0                                    | 0                         | --                       | 4                         | --                              | 3          | -5                             |
| Greater than 500 ppm sulfur                    | --               | --                            | -1                                  | --                                   | 29                        | --                       | -7                        | --                              | 0          | 35                             |
| Residual Fuel Oil                              | --               | --                            | 40                                  | 80                                   | --                        | --                       | 27                        | --                              | 0          | 92                             |
| Less than 0.31 percent sulfur                  | --               | --                            | 0                                   | 14                                   | --                        | --                       | -1                        | --                              | NA         | NA                             |
| 0.31 to 1.00 percent sulfur                    | --               | --                            | 33                                  | 28                                   | --                        | --                       | 5                         | --                              | NA         | NA                             |
| Greater than 1.00 percent sulfur               | --               | --                            | 7                                   | 38                                   | --                        | --                       | 23                        | --                              | NA         | NA                             |
| Petrochemical Feedstocks                       | --               | --                            | --                                  | 0                                    | --                        | --                       | --                        | --                              | --         | 0                              |
| Naphtha for Petro. Feed. Use                   | --               | --                            | --                                  | 0                                    | --                        | --                       | --                        | --                              | --         | 0                              |
| Other Oils for Petro. Feed. Use                | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --         | --                             |
| Special Naphthas                               | --               | --                            | 0                                   | 0                                    | --                        | --                       | 0                         | --                              | --         | 0                              |
| Lubricants                                     | --               | --                            | 13                                  | 6                                    | 13                        | --                       | 2                         | --                              | 7          | 22                             |
| Waxes                                          | --               | --                            | 0                                   | 3                                    | --                        | --                       | 0                         | --                              | 2          | 0                              |
| Petroleum Coke                                 | --               | --                            | 24                                  | --                                   | 10                        | --                       | --                        | --                              | 18         | 16                             |
| Marketable                                     | --               | --                            | 9                                   | --                                   | 10                        | --                       | --                        | --                              | 18         | 1                              |
| Catalyst                                       | --               | --                            | 15                                  | --                                   | --                        | --                       | --                        | --                              | --         | 15                             |
| Asphalt and Road Oil                           | --               | --                            | 39                                  | 34                                   | 34                        | --                       | -18                       | --                              | 3          | 122                            |
| Still Gas                                      | --               | --                            | 27                                  | --                                   | --                        | --                       | --                        | --                              | --         | 27                             |
| Miscellaneous Products                         | --               | --                            | 3                                   | --                                   | --                        | --                       | 0                         | --                              | 1          | 3                              |
| <b>Total</b>                                   | <b>723</b>       | <b>17</b>                     | <b>3,686</b>                        | <b>1,369</b>                         | <b>3,616</b>              | <b>37</b>                | <b>3</b>                  | <b>3,640</b>                    | <b>295</b> | <b>5,510</b>                   |

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>7</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 8. PAD District 1 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-October 2022**  
(Thousand Barrels per Day)

| Commodity                                            | Supply           |                               |                                     |                                      |                           |                          | Disposition               |                                 |            |                                |
|------------------------------------------------------|------------------|-------------------------------|-------------------------------------|--------------------------------------|---------------------------|--------------------------|---------------------------|---------------------------------|------------|--------------------------------|
|                                                      | Field Production | Biofuels Plant Net Production | Refinery and Blender Net Production | Imports (PADD of Entry) <sup>1</sup> | Net Receipts <sup>2</sup> | Adjustments <sup>3</sup> | Stock Change <sup>4</sup> | Refinery and Blender Net Inputs | Exports    | Products Supplied <sup>5</sup> |
| <b>Crude Oil</b> .....                               | <b>62</b>        | --                            | --                                  | <b>592</b>                           | <b>89</b>                 | <b>49</b>                | <b>2</b>                  | <b>738</b>                      | <b>52</b>  | <b>0</b>                       |
| <b>Hydrocarbon Gas Liquids</b> .....                 | <b>627</b>       | <b>0</b>                      | <b>23</b>                           | <b>39</b>                            | <b>67</b>                 | --                       | <b>8</b>                  | <b>33</b>                       | <b>260</b> | <b>455</b>                     |
| Natural Gas Liquids .....                            | 627              | 0                             | 11                                  | 31                                   | 56                        | --                       | 8                         | 33                              | 260        | 423                            |
| Ethane .....                                         | 252              | --                            | --                                  | --                                   | -170                      | --                       | 2                         | --                              | 71         | 10                             |
| Propane .....                                        | 218              | --                            | 14                                  | 29                                   | 197                       | --                       | 3                         | --                              | 142        | 312                            |
| Normal Butane .....                                  | 66               | --                            | -1                                  | 1                                    | 49                        | --                       | 3                         | 23                              | 45         | 45                             |
| Isobutane .....                                      | 30               | --                            | -2                                  | 1                                    | -11                       | --                       | 0                         | 4                               | 0          | 13                             |
| Natural Gasoline .....                               | 61               | 0                             | --                                  | --                                   | -9                        | --                       | 0                         | 6                               | 2          | 44                             |
| Refinery Olefins .....                               | --               | --                            | 12                                  | 9                                    | 11                        | --                       | 0                         | --                              | --         | 32                             |
| Ethylene .....                                       | --               | --                            | 0                                   | --                                   | --                        | --                       | --                        | --                              | --         | 0                              |
| Propylene .....                                      | --               | --                            | 10                                  | 9                                    | 11                        | --                       | 0                         | --                              | --         | 30                             |
| Normal Butylene .....                                | --               | --                            | 0                                   | --                                   | --                        | --                       | 0                         | --                              | --         | 0                              |
| Isobutylene .....                                    | --               | --                            | 2                                   | --                                   | --                        | --                       | 0                         | --                              | --         | 2                              |
| <b>Other Liquids</b> .....                           | --               | <b>16</b>                     | --                                  | <b>487</b>                           | <b>1,986</b>              | <b>311</b>               | <b>-33</b>                | <b>2,814</b>                    | <b>9</b>   | <b>9</b>                       |
| Hydrogen/Biofuels/Other Hydrocarbons .....           | --               | 16                            | --                                  | 6                                    | 291                       | 33                       | 1                         | 336                             | 6          | 4                              |
| Hydrogen .....                                       | --               | --                            | --                                  | --                                   | --                        | 3                        | --                        | 3                               | --         | 0                              |
| Biofuels (including Fuel Ethanol) .....              | --               | 16                            | --                                  | 6                                    | 291                       | 30                       | 1                         | 333                             | 6          | 4                              |
| Fuel Ethanol <sup>6</sup> .....                      | --               | 11                            | --                                  | 1                                    | 285                       | 30                       | 1                         | 322                             | 5          | 0                              |
| Biofuels (excluding Fuel Ethanol) <sup>7</sup> ..... | --               | 4                             | --                                  | 6                                    | 5                         | --                       | 0                         | 11                              | 1          | 4                              |
| Other Hydrocarbons .....                             | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --         | --                             |
| Unfinished Oils .....                                | --               | --                            | --                                  | 39                                   | 0                         | --                       | 1                         | 31                              | 2          | 6                              |
| Motor Gasoline Blend.Comp. (MGBC) <sup>6</sup> ..... | --               | --                            | --                                  | 442                                  | 1,696                     | 277                      | -35                       | 2,448                           | 1          | 0                              |
| Reformulated .....                                   | --               | --                            | --                                  | 150                                  | 274                       | 44                       | -22                       | 490                             | 0          | 0                              |
| Conventional .....                                   | --               | --                            | --                                  | 291                                  | 1,421                     | 233                      | -13                       | 1,958                           | 1          | 0                              |
| Aviation Gasoline Blend. Comp. ....                  | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --         | --                             |
| <b>Finished Petroleum Products</b> .....             | --               | <b>0</b>                      | <b>3,598</b>                        | <b>352</b>                           | <b>1,392</b>              | <b>-308</b>              | <b>-65</b>                | --                              | <b>70</b>  | <b>5,029</b>                   |
| Finished Motor Gasoline .....                        | --               | --                            | 3,156                               | 75                                   | 77                        | -308                     | 1                         | --                              | 2          | 2,997                          |
| Reformulated .....                                   | --               | --                            | 1,158                               | --                                   | --                        | -64                      | 0                         | --                              | --         | 1,094                          |
| Conventional .....                                   | --               | --                            | 1,998                               | 75                                   | 77                        | -243                     | 1                         | --                              | 2          | 1,902                          |
| Finished Aviation Gasoline .....                     | --               | --                            | 0                                   | 0                                    | 3                         | --                       | 0                         | --                              | --         | 3                              |
| Kerosene-Type Jet Fuel .....                         | --               | --                            | 89                                  | 28                                   | 459                       | --                       | -2                        | --                              | 1          | 577                            |
| Kerosene .....                                       | --               | --                            | 1                                   | --                                   | 1                         | --                       | -4                        | --                              | 0          | 6                              |
| Distillate Fuel Oil <sup>6</sup> .....               | --               | 0                             | 212                                 | 143                                  | 787                       | --                       | -60                       | --                              | 25         | 1,177                          |
| 15 ppm sulfur and under .....                        | --               | 0                             | 217                                 | 142                                  | 760                       | --                       | -55                       | --                              | 20         | 1,154                          |
| Greater than 15 ppm to 500 ppm sulfur .....          | --               | --                            | 0                                   | 0                                    | 0                         | --                       | -1                        | --                              | 4          | -2                             |
| Greater than 500 ppm sulfur .....                    | --               | --                            | -5                                  | 0                                    | 27                        | --                       | -3                        | --                              | 1          | 25                             |
| Residual Fuel Oil .....                              | --               | --                            | 42                                  | 63                                   | 1                         | --                       | 3                         | --                              | 7          | 96                             |
| Less than 0.31 percent sulfur .....                  | --               | --                            | 0                                   | 5                                    | 0                         | --                       | 0                         | --                              | NA         | NA                             |
| 0.31 to 1.00 percent sulfur .....                    | --               | --                            | 32                                  | 17                                   | --                        | --                       | -1                        | --                              | NA         | NA                             |
| Greater than 1.00 percent sulfur .....               | --               | --                            | 10                                  | 40                                   | 1                         | --                       | 4                         | --                              | NA         | NA                             |
| Petrochemical Feedstocks .....                       | --               | --                            | --                                  | 2                                    | --                        | --                       | --                        | --                              | --         | 2                              |
| Naphtha for Petro. Feed. Use .....                   | --               | --                            | --                                  | 2                                    | --                        | --                       | --                        | --                              | --         | 2                              |
| Other Oils for Petro. Feed. Use .....                | --               | --                            | --                                  | 0                                    | --                        | --                       | --                        | --                              | --         | 0                              |
| Special Naphthas .....                               | --               | --                            | 0                                   | 0                                    | 0                         | --                       | 0                         | --                              | --         | 1                              |
| Lubricants .....                                     | --               | --                            | 12                                  | 4                                    | 17                        | --                       | 0                         | --                              | 8          | 26                             |
| Waxes .....                                          | --               | --                            | 0                                   | 3                                    | --                        | --                       | 0                         | --                              | 3          | 0                              |
| Petroleum Coke .....                                 | --               | --                            | 23                                  | 0                                    | 11                        | --                       | --                        | --                              | 20         | 13                             |
| Marketable .....                                     | --               | --                            | 8                                   | 0                                    | 11                        | --                       | --                        | --                              | 20         | -1                             |
| Catalyst .....                                       | --               | --                            | 14                                  | --                                   | --                        | --                       | --                        | --                              | --         | 14                             |
| Asphalt and Road Oil .....                           | --               | --                            | 32                                  | 33                                   | 37                        | --                       | -3                        | --                              | 3          | 102                            |
| Still Gas .....                                      | --               | --                            | 27                                  | --                                   | --                        | --                       | --                        | --                              | --         | 27                             |
| Miscellaneous Products .....                         | --               | --                            | 3                                   | --                                   | --                        | --                       | 0                         | --                              | 1          | 2                              |
| <b>Total</b> .....                                   | <b>689</b>       | <b>15</b>                     | <b>3,621</b>                        | <b>1,470</b>                         | <b>3,534</b>              | <b>52</b>                | <b>-88</b>                | <b>3,586</b>                    | <b>390</b> | <b>5,493</b>                   |

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>7</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.



**Table 9. PAD District 2 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, October 2022**  
(Thousand Barrels)

| Commodity                                      | Supply           |                               |                                     |                                      |                           |                          | Disposition               |                                 |               |                                |                |
|------------------------------------------------|------------------|-------------------------------|-------------------------------------|--------------------------------------|---------------------------|--------------------------|---------------------------|---------------------------------|---------------|--------------------------------|----------------|
|                                                | Field Production | Biofuels Plant Net Production | Refinery and Blender Net Production | Imports (PADD of Entry) <sup>1</sup> | Net Receipts <sup>2</sup> | Adjustments <sup>3</sup> | Stock Change <sup>4</sup> | Refinery and Blender Net Inputs | Exports       | Products Supplied <sup>5</sup> | Ending Stocks  |
| <b>Crude Oil</b>                               | <b>53,384</b>    | --                            | --                                  | <b>86,920</b>                        | <b>-15,266</b>            | <b>447</b>               | <b>4,584</b>              | <b>118,356</b>                  | <b>2,545</b>  | <b>0</b>                       | <b>113,765</b> |
| <b>Hydrocarbon Gas Liquids</b>                 | <b>33,145</b>    | <b>-677</b>                   | <b>1,664</b>                        | <b>2,982</b>                         | <b>-13,626</b>            | --                       | <b>-343</b>               | <b>3,764</b>                    | <b>5,459</b>  | <b>14,607</b>                  | <b>60,071</b>  |
| Natural Gas Liquids                            | 33,145           | -677                          | 632                                 | 2,772                                | -12,911                   | --                       | 205                       | 3,764                           | 5,459         | 13,532                         | 59,648         |
| Ethane                                         | 10,412           | --                            | --                                  | --                                   | -4,455                    | --                       | 211                       | --                              | 2,231         | 3,515                          | 6,219          |
| Propane                                        | 12,173           | --                            | 2,301                               | 2,067                                | -7,861                    | --                       | 794                       | --                              | 128           | 7,758                          | 25,021         |
| Normal Butane                                  | 3,955            | --                            | -1,453                              | 555                                  | -3,016                    | --                       | -1,032                    | 1,142                           | 105           | -174                           | 16,393         |
| Isobutane                                      | 2,364            | --                            | -216                                | 148                                  | 570                       | --                       | 50                        | 2,057                           | 2             | 757                            | 2,189          |
| Natural Gasoline                               | 4,241            | -677                          | --                                  | 2                                    | 1,851                     | --                       | 182                       | 565                             | 2,993         | 1,677                          | 9,826          |
| Refinery Olefins                               | --               | --                            | 1,032                               | 210                                  | -715                      | --                       | -548                      | --                              | --            | 1,075                          | 423            |
| Ethylene                                       | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --            | --                             | --             |
| Propylene                                      | --               | --                            | 975                                 | 139                                  | -715                      | --                       | 70                        | --                              | --            | 329                            | 383            |
| Normal Butylene                                | --               | --                            | 57                                  | 71                                   | --                        | --                       | -618                      | --                              | --            | 746                            | 40             |
| Isobutylene                                    | --               | --                            | --                                  | --                                   | --                        | --                       | 0                         | --                              | --            | 0                              | 0              |
| <b>Other Liquids</b>                           | --               | <b>32,632</b>                 | --                                  | <b>511</b>                           | <b>-15,065</b>            | <b>2,138</b>             | <b>3,848</b>              | <b>13,179</b>                   | <b>3,110</b>  | <b>79</b>                      | <b>64,858</b>  |
| Hydrogen/Biofuels/Other Hydrocarbons           | --               | 32,633                        | --                                  | 107                                  | -19,533                   | -566                     | 1,013                     | 9,110                           | 988           | 1,530                          | 9,673          |
| Hydrogen                                       | --               | --                            | --                                  | --                                   | --                        | 1,089                    | --                        | 1,089                           | --            | 0                              | --             |
| Biofuels (including Fuel Ethanol)              | --               | 32,633                        | --                                  | 107                                  | -19,533                   | -1,669                   | 1,023                     | 7,997                           | 988           | 1,530                          | 9,662          |
| Fuel Ethanol                                   | --               | 29,767                        | --                                  | --                                   | -18,758                   | -1,669                   | 914                       | 7,608                           | 818           | 0                              | 8,599          |
| Biofuels (excluding Fuel Ethanol) <sup>6</sup> | --               | 2,867                         | --                                  | 107                                  | -775                      | --                       | 109                       | 389                             | 170           | 1,530                          | 1,063          |
| Other Hydrocarbons                             | --               | --                            | --                                  | --                                   | --                        | 14                       | -10                       | 24                              | --            | 0                              | 11             |
| Unfinished Oils                                | --               | --                            | --                                  | --                                   | -989                      | --                       | 1,004                     | -2,648                          | 2,106         | -1,451                         | 14,267         |
| Motor Gasoline Blend.Comp. (MGBC)              | --               | -1                            | --                                  | 404                                  | 5,457                     | 2,704                    | 1,831                     | 6,717                           | 16            | 0                              | 40,918         |
| Reformulated                                   | --               | 0                             | --                                  | --                                   | 785                       | 1,421                    | 3                         | 2,203                           | --            | 0                              | 4,223          |
| Conventional                                   | --               | -1                            | --                                  | 404                                  | 4,672                     | 1,283                    | 1,828                     | 4,514                           | 16            | 0                              | 36,694         |
| Aviation Gasoline Blend. Comp.                 | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --            | --                             | --             |
| <b>Finished Petroleum Products</b>             | --               | <b>151</b>                    | <b>140,763</b>                      | <b>1,102</b>                         | <b>2,671</b>              | <b>-1,035</b>            | <b>-2,512</b>             | --                              | <b>925</b>    | <b>145,238</b>                 | <b>50,857</b>  |
| Finished Motor Gasoline                        | --               | 153                           | 77,393                              | --                                   | 1,644                     | -1,035                   | -1,022                    | --                              | 271           | 78,906                         | 3,973          |
| Reformulated                                   | --               | --                            | 10,430                              | --                                   | --                        | -1,411                   | --                        | --                              | --            | 9,019                          | --             |
| Conventional                                   | --               | 153                           | 66,963                              | --                                   | 1,644                     | 376                      | -1,022                    | --                              | 271           | 69,887                         | 3,973          |
| Finished Aviation Gasoline                     | --               | --                            | 24                                  | 5                                    | 45                        | --                       | 2                         | --                              | --            | 72                             | 154            |
| Kerosene-Type Jet Fuel                         | --               | --                            | 8,268                               | --                                   | 203                       | --                       | 318                       | --                              | 21            | 8,132                          | 6,847          |
| Kerosene                                       | --               | --                            | 94                                  | --                                   | --                        | --                       | 2                         | --                              | 1             | 91                             | 148            |
| Distillate Fuel Oil                            | --               | -2                            | 37,505                              | 172                                  | 2,817                     | --                       | -1,207                    | --                              | 133           | 41,566                         | 26,074         |
| 15 ppm sulfur and under                        | --               | -2                            | 37,763                              | 168                                  | 2,792                     | --                       | -936                      | --                              | 2             | 41,655                         | 25,442         |
| Greater than 15 ppm to 500 ppm sulfur          | --               | 0                             | 190                                 | 2                                    | 25                        | --                       | 100                       | --                              | 15            | 102                            | 385            |
| Greater than 500 ppm sulfur                    | --               | --                            | -448                                | 2                                    | --                        | --                       | -371                      | --                              | 116           | -191                           | 247            |
| Residual Fuel Oil                              | --               | --                            | 1,170                               | 86                                   | -812                      | --                       | 302                       | --                              | --            | 142                            | 1,094          |
| Less than 0.31 percent sulfur                  | --               | --                            | 66                                  | --                                   | -179                      | --                       | 65                        | --                              | NA            | NA                             | 122            |
| 0.31 to 1.00 percent sulfur                    | --               | --                            | 456                                 | 7                                    | -106                      | --                       | 107                       | --                              | NA            | NA                             | 282            |
| Greater than 1.00 percent sulfur               | --               | --                            | 648                                 | 79                                   | -527                      | --                       | 130                       | --                              | NA            | NA                             | 690            |
| Petrochemical Feedstocks                       | --               | --                            | 821                                 | 152                                  | -113                      | --                       | 68                        | --                              | --            | 792                            | 578            |
| Naphtha for Petro. Feed. Use                   | --               | --                            | 493                                 | 121                                  | -113                      | --                       | 50                        | --                              | --            | 451                            | 454            |
| Other Oils for Petro. Feed. Use                | --               | --                            | 328                                 | 31                                   | --                        | --                       | 18                        | --                              | --            | 341                            | 124            |
| Special Naphthas                               | --               | --                            | -46                                 | 9                                    | 15                        | --                       | -27                       | --                              | --            | 5                              | 109            |
| Lubricants                                     | --               | --                            | 203                                 | 229                                  | 161                       | --                       | -30                       | --                              | 180           | 443                            | 748            |
| Waxes                                          | --               | --                            | 16                                  | 10                                   | --                        | --                       | -19                       | --                              | 43            | 2                              | 57             |
| Petroleum Coke                                 | --               | --                            | 5,489                               | 22                                   | -323                      | --                       | 169                       | --                              | 154           | 4,865                          | 1,881          |
| Marketable                                     | --               | --                            | 4,102                               | 22                                   | -323                      | --                       | 169                       | --                              | 154           | 3,478                          | 1,881          |
| Catalyst                                       | --               | --                            | 1,387                               | --                                   | --                        | --                       | --                        | --                              | --            | 1,387                          | --             |
| Asphalt and Road Oil                           | --               | --                            | 5,040                               | 417                                  | -972                      | --                       | -1,082                    | --                              | 121           | 5,446                          | 9,075          |
| Still Gas                                      | --               | --                            | 4,342                               | --                                   | --                        | --                       | --                        | --                              | --            | 4,342                          | --             |
| Miscellaneous Products                         | --               | --                            | 444                                 | --                                   | 6                         | --                       | 14                        | --                              | 1             | 435                            | 119            |
| <b>Total</b>                                   | <b>86,529</b>    | <b>32,105</b>                 | <b>142,427</b>                      | <b>91,515</b>                        | <b>-41,286</b>            | <b>1,550</b>             | <b>5,577</b>              | <b>135,299</b>                  | <b>12,039</b> | <b>159,925</b>                 | <b>289,550</b> |

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isocane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 10. PAD District 2 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-October 2022**  
(Thousand Barrels)

| Commodity                                      | Supply           |                               |                                     |                                      |                           |                          | Disposition               |                                 |                |                                |                |
|------------------------------------------------|------------------|-------------------------------|-------------------------------------|--------------------------------------|---------------------------|--------------------------|---------------------------|---------------------------------|----------------|--------------------------------|----------------|
|                                                | Field Production | Biofuels Plant Net Production | Refinery and Blender Net Production | Imports (PADD of Entry) <sup>1</sup> | Net Receipts <sup>2</sup> | Adjustments <sup>3</sup> | Stock Change <sup>4</sup> | Refinery and Blender Net Inputs | Exports        | Products Supplied <sup>5</sup> | Ending Stocks  |
| <b>Crude Oil</b>                               | <b>505,777</b>   | --                            | --                                  | <b>864,838</b>                       | <b>-162,871</b>           | <b>-23,888</b>           | <b>-3,874</b>             | <b>1,167,665</b>                | <b>20,065</b>  | <b>0</b>                       | <b>113,765</b> |
| <b>Hydrocarbon Gas Liquids</b>                 | <b>336,772</b>   | <b>-6,317</b>                 | <b>39,939</b>                       | <b>22,505</b>                        | <b>-153,614</b>           | --                       | <b>10,160</b>             | <b>30,302</b>                   | <b>72,455</b>  | <b>126,368</b>                 | <b>60,071</b>  |
| Natural Gas Liquids                            | 336,772          | -6,317                        | 26,895                              | 20,679                               | -145,097                  | --                       | 10,297                    | 30,302                          | 72,455         | 119,878                        | 59,648         |
| Ethane                                         | 125,001          | --                            | --                                  | --                                   | -64,825                   | --                       | -714                      | --                              | 20,950         | 39,940                         | 6,219          |
| Propane                                        | 114,592          | --                            | 23,181                              | 13,683                               | -95,160                   | --                       | 3,583                     | --                              | 1,477          | 51,236                         | 25,021         |
| Normal Butane                                  | 38,481           | --                            | 6,100                               | 4,960                                | -35,974                   | --                       | 7,540                     | 4,649                           | 1,250          | 128                            | 16,393         |
| Isobutane                                      | 19,937           | --                            | -2,386                              | 1,994                                | 6,024                     | --                       | -163                      | 17,821                          | 25             | 7,886                          | 2,189          |
| Natural Gasoline                               | 38,761           | -6,317                        | --                                  | 42                                   | 44,838                    | --                       | 51                        | 7,832                           | 48,753         | 20,688                         | 9,826          |
| Refinery Olefins                               | --               | --                            | 13,044                              | 1,826                                | -8,517                    | --                       | -137                      | --                              | --             | 6,490                          | 423            |
| Ethylene                                       | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --             | --                             | --             |
| Propylene                                      | --               | --                            | 12,423                              | 1,204                                | -8,517                    | --                       | -70                       | --                              | --             | 5,180                          | 383            |
| Normal Butylene                                | --               | --                            | 621                                 | 622                                  | --                        | --                       | -67                       | --                              | --             | 1,310                          | 40             |
| Isobutylene                                    | --               | --                            | --                                  | --                                   | --                        | --                       | 0                         | --                              | --             | 0                              | 0              |
| <b>Other Liquids</b>                           | --               | <b>315,272</b>                | --                                  | <b>4,845</b>                         | <b>-139,628</b>           | <b>-18,408</b>           | <b>-5,509</b>             | <b>140,632</b>                  | <b>33,061</b>  | <b>-6,103</b>                  | <b>64,858</b>  |
| Hydrogen/Biofuels/Other Hydrocarbons           | --               | 315,275                       | --                                  | 819                                  | -189,052                  | -13,528                  | -947                      | 89,332                          | 9,742          | 15,387                         | 9,673          |
| Hydrogen                                       | --               | --                            | --                                  | --                                   | --                        | 11,493                   | --                        | 11,493                          | --             | 0                              | --             |
| Biofuels (including Fuel Ethanol)              | --               | 315,275                       | --                                  | 819                                  | -189,052                  | -25,144                  | -942                      | 77,711                          | 9,742          | 15,387                         | 9,662          |
| Fuel Ethanol                                   | --               | 287,248                       | --                                  | --                                   | -181,903                  | -25,144                  | -772                      | 73,483                          | 7,490          | 0                              | 8,599          |
| Biofuels (excluding Fuel Ethanol) <sup>6</sup> | --               | 28,026                        | --                                  | 819                                  | -7,150                    | --                       | -170                      | 4,228                           | 2,251          | 15,387                         | 1,063          |
| Other Hydrocarbons                             | --               | --                            | --                                  | --                                   | --                        | 123                      | -5                        | 128                             | --             | 0                              | 11             |
| Unfinished Oils                                | --               | --                            | --                                  | 75                                   | -6,003                    | --                       | 997                       | -7,424                          | 21,989         | -21,490                        | 14,267         |
| Motor Gasoline Blend.Comp. (MGBC)              | --               | -3                            | --                                  | 3,951                                | 55,427                    | -4,880                   | -5,559                    | 58,724                          | 1,330          | 0                              | 40,918         |
| Reformulated                                   | --               | -2                            | --                                  | --                                   | 12,923                    | 5,576                    | -426                      | 18,924                          | --             | 0                              | 4,223          |
| Conventional                                   | --               | -1                            | --                                  | 3,951                                | 42,504                    | -10,456                  | -5,133                    | 39,800                          | 1,330          | 0                              | 36,694         |
| Aviation Gasoline Blend. Comp.                 | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --             | --                             | --             |
| <b>Finished Petroleum Products</b>             | --               | <b>1,308</b>                  | <b>1,365,444</b>                    | <b>12,997</b>                        | <b>10,280</b>             | <b>30,024</b>            | <b>-3,593</b>             | --                              | <b>11,873</b>  | <b>1,411,773</b>               | <b>50,857</b>  |
| Finished Motor Gasoline                        | --               | 1,335                         | 750,073                             | --                                   | 7,932                     | 30,024                   | -429                      | --                              | 3,729          | 786,064                        | 3,973          |
| Reformulated                                   | --               | --                            | 100,363                             | --                                   | --                        | -4,238                   | --                        | --                              | --             | 96,125                         | --             |
| Conventional                                   | --               | 1,335                         | 649,710                             | --                                   | 7,932                     | 34,262                   | -429                      | --                              | 3,729          | 689,939                        | 3,973          |
| Finished Aviation Gasoline                     | --               | --                            | 203                                 | 44                                   | 215                       | --                       | -18                       | --                              | --             | 480                            | 154            |
| Kerosene-Type Jet Fuel                         | --               | --                            | 80,327                              | 34                                   | 7,181                     | --                       | 26                        | --                              | 207            | 87,309                         | 6,847          |
| Kerosene                                       | --               | 0                             | 943                                 | --                                   | 26                        | --                       | 11                        | --                              | 8              | 950                            | 148            |
| Distillate Fuel Oil                            | --               | -27                           | 355,896                             | 2,735                                | 21,994                    | --                       | -3,099                    | --                              | 1,561          | 382,136                        | 26,074         |
| 15 ppm sulfur and under                        | --               | -27                           | 355,841                             | 2,553                                | 20,752                    | --                       | -3,140                    | --                              | 7              | 382,252                        | 25,442         |
| Greater than 15 ppm to 500 ppm sulfur          | --               | 0                             | 1,196                               | 49                                   | 1,193                     | --                       | 149                       | --                              | 360            | 1,929                          | 385            |
| Greater than 500 ppm sulfur                    | --               | 0                             | -1,141                              | 133                                  | 49                        | --                       | -108                      | --                              | 1,194          | -2,045                         | 247            |
| Residual Fuel Oil                              | --               | --                            | 11,202                              | 1,190                                | -8,064                    | --                       | 137                       | --                              | 11             | 4,180                          | 1,094          |
| Less than 0.31 percent sulfur                  | --               | --                            | 785                                 | --                                   | -647                      | --                       | 71                        | --                              | NA             | NA                             | 122            |
| 0.31 to 1.00 percent sulfur                    | --               | --                            | 4,495                               | 98                                   | -3,428                    | --                       | 86                        | --                              | NA             | NA                             | 282            |
| Greater than 1.00 percent sulfur               | --               | --                            | 5,922                               | 1,092                                | -3,989                    | --                       | -20                       | --                              | NA             | NA                             | 690            |
| Petrochemical Feedstocks                       | --               | --                            | 8,746                               | 1,488                                | -694                      | --                       | 46                        | --                              | --             | 9,494                          | 578            |
| Naphtha for Petro. Feed. Use                   | --               | --                            | 5,087                               | 879                                  | -591                      | --                       | 42                        | --                              | --             | 5,333                          | 454            |
| Other Oils for Petro. Feed. Use                | --               | --                            | 3,659                               | 609                                  | -103                      | --                       | 4                         | --                              | --             | 4,161                          | 124            |
| Special Naphthas                               | --               | --                            | -286                                | 78                                   | 66                        | --                       | -43                       | --                              | --             | -99                            | 109            |
| Lubricants                                     | --               | --                            | 2,130                               | 2,152                                | 1,892                     | --                       | 27                        | --                              | 1,942          | 4,205                          | 748            |
| Waxes                                          | --               | --                            | 369                                 | 137                                  | --                        | --                       | 17                        | --                              | 376            | 113                            | 57             |
| Petroleum Coke                                 | --               | --                            | 56,380                              | 218                                  | -9,818                    | --                       | 379                       | --                              | 3,304          | 43,097                         | 1,881          |
| Marketable                                     | --               | --                            | 41,912                              | 218                                  | -9,818                    | --                       | 379                       | --                              | 3,304          | 28,629                         | 1,881          |
| Catalyst                                       | --               | --                            | 14,468                              | --                                   | --                        | --                       | --                        | --                              | --             | 14,468                         | --             |
| Asphalt and Road Oil                           | --               | --                            | 51,722                              | 4,921                                | -10,519                   | --                       | -642                      | --                              | 723            | 46,043                         | 9,075          |
| Still Gas                                      | --               | --                            | 42,922                              | --                                   | --                        | --                       | --                        | --                              | --             | 42,922                         | --             |
| Miscellaneous Products                         | --               | --                            | 4,817                               | --                                   | 69                        | --                       | -5                        | --                              | 12             | 4,879                          | 119            |
| <b>Total</b>                                   | <b>842,549</b>   | <b>310,263</b>                | <b>1,405,383</b>                    | <b>905,185</b>                       | <b>-445,834</b>           | <b>-12,272</b>           | <b>-2,816</b>             | <b>1,338,599</b>                | <b>137,453</b> | <b>1,532,038</b>               | <b>289,550</b> |

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic

Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA

analysis of data from the Surface Transportation Board and other information.

**Table 11. PAD District 2 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, October 2022**  
(Thousand Barrels per Day)

| Commodity                                      | Supply           |                               |                                     |                                      |                           |                          | Disposition               |                                 |            |                                |
|------------------------------------------------|------------------|-------------------------------|-------------------------------------|--------------------------------------|---------------------------|--------------------------|---------------------------|---------------------------------|------------|--------------------------------|
|                                                | Field Production | Biofuels Plant Net Production | Refinery and Blender Net Production | Imports (PADD of Entry) <sup>1</sup> | Net Receipts <sup>2</sup> | Adjustments <sup>3</sup> | Stock Change <sup>4</sup> | Refinery and Blender Net Inputs | Exports    | Products Supplied <sup>5</sup> |
| <b>Crude Oil</b>                               | <b>1,722</b>     | --                            | --                                  | <b>2,804</b>                         | <b>-492</b>               | <b>14</b>                | <b>148</b>                | <b>3,818</b>                    | <b>82</b>  | <b>0</b>                       |
| <b>Hydrocarbon Gas Liquids</b>                 | <b>1,069</b>     | <b>-22</b>                    | <b>54</b>                           | <b>96</b>                            | <b>-440</b>               | --                       | <b>-11</b>                | <b>121</b>                      | <b>176</b> | <b>471</b>                     |
| Natural Gas Liquids                            | 1,069            | -22                           | 20                                  | 89                                   | -416                      | --                       | 7                         | 121                             | 176        | 437                            |
| Ethane                                         | 336              | --                            | --                                  | --                                   | -144                      | --                       | 7                         | --                              | 72         | 113                            |
| Propane                                        | 393              | --                            | 74                                  | 67                                   | -254                      | --                       | 26                        | --                              | 4          | 250                            |
| Normal Butane                                  | 128              | --                            | -47                                 | 18                                   | -97                       | --                       | -33                       | 37                              | 3          | -6                             |
| Isobutane                                      | 76               | --                            | -7                                  | 5                                    | 18                        | --                       | 2                         | 66                              | 0          | 24                             |
| Natural Gasoline                               | 137              | -22                           | --                                  | 0                                    | 60                        | --                       | 6                         | 18                              | 97         | 54                             |
| Refinery Olefins                               | --               | --                            | 33                                  | 7                                    | -23                       | --                       | -18                       | --                              | --         | 35                             |
| Ethylene                                       | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --         | --                             |
| Propylene                                      | --               | --                            | 31                                  | 4                                    | -23                       | --                       | 2                         | --                              | --         | 11                             |
| Normal Butylene                                | --               | --                            | 2                                   | 2                                    | --                        | --                       | -20                       | --                              | --         | 24                             |
| Isobutylene                                    | --               | --                            | --                                  | --                                   | --                        | --                       | 0                         | --                              | --         | 0                              |
| <b>Other Liquids</b>                           | --               | <b>1,053</b>                  | --                                  | <b>16</b>                            | <b>-486</b>               | <b>69</b>                | <b>124</b>                | <b>425</b>                      | <b>100</b> | <b>3</b>                       |
| Hydrogen/Biofuels/Other Hydrocarbons           | --               | 1,053                         | --                                  | 3                                    | -630                      | -18                      | 33                        | 294                             | 32         | 49                             |
| Hydrogen                                       | --               | --                            | --                                  | --                                   | --                        | 35                       | --                        | 35                              | --         | 0                              |
| Biofuels (including Fuel Ethanol)              | --               | 1,053                         | --                                  | 3                                    | -630                      | -54                      | 33                        | 258                             | 32         | 49                             |
| Fuel Ethanol                                   | --               | 960                           | --                                  | --                                   | -605                      | -54                      | 29                        | 245                             | 26         | 0                              |
| Biofuels (excluding Fuel Ethanol) <sup>6</sup> | --               | 92                            | --                                  | 3                                    | -25                       | --                       | 4                         | 13                              | 5          | 49                             |
| Other Hydrocarbons                             | --               | --                            | --                                  | --                                   | --                        | 0                        | 0                         | 1                               | --         | 0                              |
| Unfinished Oils                                | --               | --                            | --                                  | --                                   | -32                       | --                       | 32                        | -85                             | 68         | -47                            |
| Motor Gasoline Blend.Comp. (MGBC)              | --               | 0                             | --                                  | 13                                   | 176                       | 87                       | 59                        | 217                             | 1          | 0                              |
| Reformulated                                   | --               | 0                             | --                                  | --                                   | 25                        | 46                       | 0                         | 71                              | --         | 0                              |
| Conventional                                   | --               | 0                             | --                                  | 13                                   | 151                       | 41                       | 59                        | 146                             | 1          | 0                              |
| Aviation Gasoline Blend. Comp.                 | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --         | --                             |
| <b>Finished Petroleum Products</b>             | --               | <b>5</b>                      | <b>4,541</b>                        | <b>36</b>                            | <b>86</b>                 | <b>-33</b>               | <b>-81</b>                | --                              | <b>30</b>  | <b>4,685</b>                   |
| Finished Motor Gasoline                        | --               | 5                             | 2,497                               | --                                   | 53                        | -33                      | -33                       | --                              | 9          | 2,545                          |
| Reformulated                                   | --               | --                            | 336                                 | --                                   | --                        | -46                      | --                        | --                              | --         | 291                            |
| Conventional                                   | --               | 5                             | 2,160                               | --                                   | 53                        | 12                       | -33                       | --                              | 9          | 2,254                          |
| Finished Aviation Gasoline                     | --               | --                            | 1                                   | 0                                    | 1                         | --                       | 0                         | --                              | --         | 2                              |
| Kerosene-Type Jet Fuel                         | --               | --                            | 267                                 | --                                   | 7                         | --                       | 10                        | --                              | 1          | 262                            |
| Kerosene                                       | --               | --                            | 3                                   | --                                   | --                        | --                       | 0                         | --                              | 0          | 3                              |
| Distillate Fuel Oil                            | --               | 0                             | 1,210                               | 6                                    | 91                        | --                       | -39                       | --                              | 4          | 1,341                          |
| 15 ppm sulfur and under                        | --               | 0                             | 1,218                               | 5                                    | 90                        | --                       | -30                       | --                              | 0          | 1,344                          |
| Greater than 15 ppm to 500 ppm sulfur          | --               | 0                             | 6                                   | 0                                    | 1                         | --                       | 3                         | --                              | 0          | 3                              |
| Greater than 500 ppm sulfur                    | --               | --                            | -14                                 | 0                                    | --                        | --                       | -12                       | --                              | 4          | -6                             |
| Residual Fuel Oil                              | --               | --                            | 38                                  | 3                                    | -26                       | --                       | 10                        | --                              | --         | 5                              |
| Less than 0.31 percent sulfur                  | --               | --                            | 2                                   | --                                   | -6                        | --                       | 2                         | --                              | NA         | NA                             |
| 0.31 to 1.00 percent sulfur                    | --               | --                            | 15                                  | 0                                    | -3                        | --                       | 3                         | --                              | NA         | NA                             |
| Greater than 1.00 percent sulfur               | --               | --                            | 21                                  | 3                                    | -17                       | --                       | 4                         | --                              | NA         | NA                             |
| Petrochemical Feedstocks                       | --               | --                            | 26                                  | 5                                    | -4                        | --                       | 2                         | --                              | --         | 26                             |
| Naphtha for Petro. Feed. Use                   | --               | --                            | 16                                  | 4                                    | -4                        | --                       | 2                         | --                              | --         | 15                             |
| Other Oils for Petro. Feed. Use                | --               | --                            | 11                                  | 1                                    | --                        | --                       | 1                         | --                              | --         | 11                             |
| Special Naphthas                               | --               | --                            | -1                                  | 0                                    | 0                         | --                       | -1                        | --                              | --         | 0                              |
| Lubricants                                     | --               | --                            | 7                                   | 7                                    | 5                         | --                       | -1                        | --                              | 6          | 14                             |
| Waxes                                          | --               | --                            | 1                                   | 0                                    | --                        | --                       | -1                        | --                              | 1          | 0                              |
| Petroleum Coke                                 | --               | --                            | 177                                 | 1                                    | -10                       | --                       | 5                         | --                              | 5          | 157                            |
| Marketable                                     | --               | --                            | 132                                 | 1                                    | -10                       | --                       | 5                         | --                              | 5          | 112                            |
| Catalyst                                       | --               | --                            | 45                                  | --                                   | --                        | --                       | --                        | --                              | --         | 45                             |
| Asphalt and Road Oil                           | --               | --                            | 163                                 | 13                                   | -31                       | --                       | -35                       | --                              | 4          | 176                            |
| Still Gas                                      | --               | --                            | 140                                 | --                                   | --                        | --                       | --                        | --                              | --         | 140                            |
| Miscellaneous Products                         | --               | --                            | 14                                  | --                                   | 0                         | --                       | 0                         | --                              | 0          | 14                             |
| <b>Total</b>                                   | <b>2,791</b>     | <b>1,036</b>                  | <b>4,594</b>                        | <b>2,952</b>                         | <b>-1,332</b>             | <b>50</b>                | <b>180</b>                | <b>4,364</b>                    | <b>388</b> | <b>5,159</b>                   |

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 12. PAD District 2 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-October 2022**  
(Thousand Barrels per Day)

| Commodity                                      | Supply           |                               |                                     |                                      |                           |                          | Disposition               |                                 |            |                                |
|------------------------------------------------|------------------|-------------------------------|-------------------------------------|--------------------------------------|---------------------------|--------------------------|---------------------------|---------------------------------|------------|--------------------------------|
|                                                | Field Production | Biofuels Plant Net Production | Refinery and Blender Net Production | Imports (PADD of Entry) <sup>1</sup> | Net Receipts <sup>2</sup> | Adjustments <sup>3</sup> | Stock Change <sup>4</sup> | Refinery and Blender Net Inputs | Exports    | Products Supplied <sup>5</sup> |
| <b>Crude Oil</b>                               | <b>1,664</b>     | --                            | --                                  | <b>2,845</b>                         | <b>-536</b>               | <b>-79</b>               | <b>-13</b>                | <b>3,841</b>                    | <b>66</b>  | <b>0</b>                       |
| <b>Hydrocarbon Gas Liquids</b>                 | <b>1,108</b>     | <b>-21</b>                    | <b>131</b>                          | <b>74</b>                            | <b>-505</b>               | --                       | <b>33</b>                 | <b>100</b>                      | <b>238</b> | <b>416</b>                     |
| Natural Gas Liquids                            | 1,108            | -21                           | 88                                  | 68                                   | -477                      | --                       | 34                        | 100                             | 238        | 394                            |
| Ethane                                         | 411              | --                            | --                                  | --                                   | -213                      | --                       | -2                        | --                              | 69         | 131                            |
| Propane                                        | 377              | --                            | 76                                  | 45                                   | -313                      | --                       | 12                        | --                              | 5          | 169                            |
| Normal Butane                                  | 127              | --                            | 20                                  | 16                                   | -118                      | --                       | 25                        | 15                              | 4          | 0                              |
| Isobutane                                      | 66               | --                            | -8                                  | 7                                    | 20                        | --                       | -1                        | 59                              | 0          | 26                             |
| Natural Gasoline                               | 128              | -21                           | --                                  | 0                                    | 147                       | --                       | 0                         | 26                              | 160        | 68                             |
| Refinery Olefins                               | --               | --                            | 43                                  | 6                                    | -28                       | --                       | 0                         | --                              | --         | 21                             |
| Ethylene                                       | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --         | --                             |
| Propylene                                      | --               | --                            | 41                                  | 4                                    | -28                       | --                       | 0                         | --                              | --         | 17                             |
| Normal Butylene                                | --               | --                            | 2                                   | 2                                    | --                        | --                       | 0                         | --                              | --         | 4                              |
| Isobutylene                                    | --               | --                            | --                                  | --                                   | --                        | --                       | 0                         | --                              | --         | 0                              |
| <b>Other Liquids</b>                           | --               | <b>1,037</b>                  | --                                  | <b>16</b>                            | <b>-459</b>               | <b>-61</b>               | <b>-18</b>                | <b>463</b>                      | <b>109</b> | <b>-20</b>                     |
| Hydrogen/Biofuels/Other Hydrocarbons           | --               | 1,037                         | --                                  | 3                                    | -622                      | -45                      | -3                        | 294                             | 32         | 51                             |
| Hydrogen                                       | --               | --                            | --                                  | --                                   | --                        | 38                       | --                        | 38                              | --         | 0                              |
| Biofuels (including Fuel Ethanol)              | --               | 1,037                         | --                                  | 3                                    | -622                      | -83                      | -3                        | 256                             | 32         | 51                             |
| Fuel Ethanol                                   | --               | 945                           | --                                  | --                                   | -598                      | -83                      | -3                        | 242                             | 25         | 0                              |
| Biofuels (excluding Fuel Ethanol) <sup>6</sup> | --               | 92                            | --                                  | 3                                    | -24                       | --                       | -1                        | 14                              | 7          | 51                             |
| Other Hydrocarbons                             | --               | --                            | --                                  | --                                   | --                        | 0                        | 0                         | 0                               | --         | 0                              |
| Unfinished Oils                                | --               | --                            | --                                  | 0                                    | -20                       | --                       | 3                         | -24                             | 72         | -71                            |
| Motor Gasoline Blend.Comp. (MGBC)              | --               | 0                             | --                                  | 13                                   | 182                       | -16                      | -18                       | 193                             | 4          | 0                              |
| Reformulated                                   | --               | 0                             | --                                  | --                                   | 43                        | 18                       | -1                        | 62                              | --         | 0                              |
| Conventional                                   | --               | 0                             | --                                  | 13                                   | 140                       | -34                      | -17                       | 131                             | 4          | 0                              |
| Aviation Gasoline Blend. Comp.                 | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --         | --                             |
| <b>Finished Petroleum Products</b>             | --               | <b>4</b>                      | <b>4,492</b>                        | <b>43</b>                            | <b>34</b>                 | <b>99</b>                | <b>-12</b>                | --                              | <b>39</b>  | <b>4,644</b>                   |
| Finished Motor Gasoline                        | --               | 4                             | 2,467                               | --                                   | 26                        | 99                       | -1                        | --                              | 12         | 2,586                          |
| Reformulated                                   | --               | --                            | 330                                 | --                                   | --                        | -14                      | --                        | --                              | --         | 316                            |
| Conventional                                   | --               | 4                             | 2,137                               | --                                   | 26                        | 113                      | -1                        | --                              | 12         | 2,270                          |
| Finished Aviation Gasoline                     | --               | --                            | 1                                   | 0                                    | 1                         | --                       | 0                         | --                              | --         | 2                              |
| Kerosene-Type Jet Fuel                         | --               | --                            | 264                                 | 0                                    | 24                        | --                       | 0                         | --                              | 1          | 287                            |
| Kerosene                                       | --               | 0                             | 3                                   | --                                   | 0                         | --                       | 0                         | --                              | 0          | 3                              |
| Distillate Fuel Oil                            | --               | 0                             | 1,171                               | 9                                    | 72                        | --                       | -10                       | --                              | 5          | 1,257                          |
| 15 ppm sulfur and under                        | --               | 0                             | 1,171                               | 8                                    | 68                        | --                       | -10                       | --                              | 0          | 1,257                          |
| Greater than 15 ppm to 500 ppm sulfur          | --               | 0                             | 4                                   | 0                                    | 4                         | --                       | 0                         | --                              | 1          | 6                              |
| Greater than 500 ppm sulfur                    | --               | 0                             | -4                                  | 0                                    | 0                         | --                       | 0                         | --                              | 4          | -7                             |
| Residual Fuel Oil                              | --               | --                            | 37                                  | 4                                    | -27                       | --                       | 0                         | --                              | 0          | 14                             |
| Less than 0.31 percent sulfur                  | --               | --                            | 3                                   | --                                   | -2                        | --                       | 0                         | --                              | NA         | NA                             |
| 0.31 to 1.00 percent sulfur                    | --               | --                            | 15                                  | 0                                    | -11                       | --                       | 0                         | --                              | NA         | NA                             |
| Greater than 1.00 percent sulfur               | --               | --                            | 19                                  | 4                                    | -13                       | --                       | 0                         | --                              | NA         | NA                             |
| Petrochemical Feedstocks                       | --               | --                            | 29                                  | 5                                    | -2                        | --                       | 0                         | --                              | --         | 31                             |
| Naphtha for Petro. Feed. Use                   | --               | --                            | 17                                  | 3                                    | -2                        | --                       | 0                         | --                              | --         | 18                             |
| Other Oils for Petro. Feed. Use                | --               | --                            | 12                                  | 2                                    | 0                         | --                       | 0                         | --                              | --         | 14                             |
| Special Naphthas                               | --               | --                            | -1                                  | 0                                    | 0                         | --                       | 0                         | --                              | --         | 0                              |
| Lubricants                                     | --               | --                            | 7                                   | 7                                    | 6                         | --                       | 0                         | --                              | 6          | 14                             |
| Waxes                                          | --               | --                            | 1                                   | 0                                    | --                        | --                       | 0                         | --                              | 1          | 0                              |
| Petroleum Coke                                 | --               | --                            | 185                                 | 1                                    | -32                       | --                       | 1                         | --                              | 11         | 142                            |
| Marketable                                     | --               | --                            | 138                                 | 1                                    | -32                       | --                       | 1                         | --                              | 11         | 94                             |
| Catalyst                                       | --               | --                            | 48                                  | --                                   | --                        | --                       | --                        | --                              | --         | 48                             |
| Asphalt and Road Oil                           | --               | --                            | 170                                 | 16                                   | -35                       | --                       | -2                        | --                              | 2          | 151                            |
| Still Gas                                      | --               | --                            | 141                                 | --                                   | --                        | --                       | --                        | --                              | --         | 141                            |
| Miscellaneous Products                         | --               | --                            | 16                                  | --                                   | 0                         | --                       | 0                         | --                              | 0          | 16                             |
| <b>Total</b>                                   | <b>2,772</b>     | <b>1,021</b>                  | <b>4,623</b>                        | <b>2,978</b>                         | <b>-1,467</b>             | <b>-40</b>               | <b>-9</b>                 | <b>4,403</b>                    | <b>452</b> | <b>5,040</b>                   |

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 13. PAD District 3 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, October 2022**  
(Thousand Barrels)

| Commodity                                      | Supply           |                               |                                     |                                      |                           |                          | Disposition               |                                 |                |                                |                  |
|------------------------------------------------|------------------|-------------------------------|-------------------------------------|--------------------------------------|---------------------------|--------------------------|---------------------------|---------------------------------|----------------|--------------------------------|------------------|
|                                                | Field Production | Biofuels Plant Net Production | Refinery and Blender Net Production | Imports (PADD of Entry) <sup>1</sup> | Net Receipts <sup>2</sup> | Adjustments <sup>3</sup> | Stock Change <sup>4</sup> | Refinery and Blender Net Inputs | Exports        | Products Supplied <sup>5</sup> | Ending Stocks    |
| <b>Crude Oil<sup>6</sup></b>                   | <b>276,778</b>   | --                            | --                                  | <b>35,278</b>                        | <b>31,266</b>             | <b>29,046</b>            | <b>-13,769</b>            | <b>261,622</b>                  | <b>124,515</b> | <b>0</b>                       | <b>642,794</b>   |
| <b>Hydrocarbon Gas Liquids</b>                 | <b>116,904</b>   | <b>-14</b>                    | <b>10,080</b>                       | <b>26</b>                            | <b>26,425</b>             | --                       | <b>-1,432</b>             | <b>12,298</b>                   | <b>61,269</b>  | <b>81,286</b>                  | <b>156,621</b>   |
| Natural Gas Liquids                            | 116,904          | -14                           | 4,934                               | --                                   | 26,043                    | --                       | -1,434                    | 12,298                          | 61,269         | 75,734                         | 155,318          |
| Ethane                                         | 51,153           | --                            | 158                                 | --                                   | 15,266                    | --                       | 42                        | --                              | 9,526          | 57,009                         | 44,138           |
| Propane                                        | 35,081           | --                            | 4,637                               | --                                   | 6,632                     | --                       | 2,566                     | --                              | 40,093         | 3,691                          | 47,730           |
| Normal Butane                                  | 8,055            | --                            | 388                                 | --                                   | 3,075                     | --                       | -4,673                    | 4,685                           | 11,564         | -58                            | 38,540           |
| Isobutane                                      | 10,301           | --                            | -249                                | --                                   | 685                       | --                       | 950                       | 4,277                           | 50             | 5,460                          | 8,888            |
| Natural Gasoline                               | 12,314           | -14                           | --                                  | --                                   | 385                       | --                       | -319                      | 3,336                           | 36             | 9,633                          | 16,022           |
| Refinery Olefins                               | --               | --                            | 5,146                               | 26                                   | 382                       | --                       | 2                         | --                              | --             | 5,552                          | 1,303            |
| Ethylene                                       | --               | --                            | 5                                   | --                                   | --                        | --                       | 0                         | --                              | --             | 5                              | 0                |
| Propylene                                      | --               | --                            | 5,462                               | --                                   | 382                       | --                       | -180                      | --                              | --             | 6,024                          | 461              |
| Normal Butylene                                | --               | --                            | -321                                | 26                                   | --                        | --                       | 182                       | --                              | --             | -477                           | 842              |
| Isobutylene                                    | --               | --                            | --                                  | --                                   | --                        | --                       | 0                         | --                              | --             | 0                              | 0                |
| <b>Other Liquids</b>                           | --               | <b>3,580</b>                  | --                                  | <b>15,348</b>                        | <b>-58,722</b>            | <b>-1,341</b>            | <b>2,069</b>              | <b>-57,014</b>                  | <b>6,633</b>   | <b>7,176</b>                   | <b>124,433</b>   |
| Hydrogen/Biofuels/Other Hydrocarbons           | --               | 3,580                         | --                                  | 117                                  | 4,498                     | 3,840                    | -82                       | 8,892                           | 1,101          | 2,123                          | 4,752            |
| Hydrogen                                       | --               | --                            | --                                  | --                                   | --                        | 3,968                    | --                        | 3,968                           | --             | 0                              | --               |
| Biofuels (including Fuel Ethanol)              | --               | 3,580                         | --                                  | 114                                  | 4,498                     | -125                     | -82                       | 4,924                           | 1,101          | 2,123                          | 4,752            |
| Fuel Ethanol                                   | --               | 672                           | --                                  | --                                   | 4,890                     | -125                     | -45                       | 4,632                           | 850            | 0                              | 3,558            |
| Biofuels (excluding Fuel Ethanol) <sup>7</sup> | --               | 2,908                         | --                                  | 114                                  | -392                      | --                       | -36                       | 292                             | 250            | 2,123                          | 1,194            |
| Other Hydrocarbons                             | --               | --                            | --                                  | 3                                    | --                        | -3                       | --                        | --                              | --             | 0                              | --               |
| Unfinished Oils                                | --               | --                            | --                                  | 13,872                               | 1,019                     | --                       | 2,107                     | 3,398                           | 4,322          | 5,064                          | 46,082           |
| Motor Gasoline Blend.Comp. (MGBC)              | --               | --                            | --                                  | 1,359                                | -64,239                   | -5,181                   | 53                        | -69,324                         | 1,210          | 0                              | 73,571           |
| Reformulated                                   | --               | --                            | --                                  | --                                   | -9,585                    | 4,345                    | 366                       | -5,607                          | 1              | 0                              | 9,928            |
| Conventional                                   | --               | --                            | --                                  | 1,359                                | -54,654                   | -9,526                   | -313                      | -63,717                         | 1,209          | 0                              | 63,643           |
| Aviation Gasoline Blend. Comp.                 | --               | --                            | --                                  | --                                   | --                        | --                       | -9                        | 20                              | --             | -11                            | 28               |
| <b>Finished Petroleum Products</b>             | --               | <b>8</b>                      | <b>223,669</b>                      | <b>5,789</b>                         | <b>-49,956</b>            | <b>5,306</b>             | <b>508</b>                | --                              | <b>80,269</b>  | <b>104,039</b>                 | <b>101,605</b>   |
| Finished Motor Gasoline                        | --               | 0                             | 66,984                              | --                                   | -3,643                    | 5,306                    | -258                      | --                              | 24,547         | 44,358                         | 6,462            |
| Reformulated                                   | --               | --                            | 14,551                              | --                                   | --                        | -2,617                   | --                        | --                              | --             | 11,934                         | --               |
| Conventional                                   | --               | 0                             | 52,433                              | --                                   | -3,643                    | 7,922                    | -258                      | --                              | 24,547         | 32,423                         | 6,462            |
| Finished Aviation Gasoline                     | --               | --                            | 293                                 | --                                   | -162                      | --                       | 5                         | --                              | --             | 126                            | 501              |
| Kerosene-Type Jet Fuel                         | --               | --                            | 23,637                              | --                                   | -15,600                   | --                       | -456                      | --                              | 4,569          | 3,924                          | 11,280           |
| Kerosene                                       | --               | --                            | 252                                 | --                                   | -37                       | --                       | 98                        | --                              | 25             | 92                             | 456              |
| Distillate Fuel Oil                            | --               | 8                             | 91,589                              | --                                   | -31,004                   | --                       | -429                      | --                              | 31,473         | 29,549                         | 42,460           |
| 15 ppm sulfur and under                        | --               | 8                             | 86,373                              | --                                   | -30,083                   | --                       | -104                      | --                              | 26,793         | 29,609                         | 35,567           |
| Greater than 15 ppm to 500 ppm sulfur          | --               | 0                             | 1,956                               | --                                   | -26                       | --                       | -67                       | --                              | 2,090          | -93                            | 1,161            |
| Greater than 500 ppm sulfur                    | --               | --                            | 3,260                               | --                                   | -895                      | --                       | -258                      | --                              | 2,590          | 33                             | 5,732            |
| Residual Fuel Oil                              | --               | --                            | 2,458                               | 2,998                                | 812                       | --                       | 1,405                     | --                              | 2,556          | 2,307                          | 18,631           |
| Less than 0.31 percent sulfur                  | --               | --                            | 1,085                               | --                                   | 179                       | --                       | 370                       | --                              | NA             | NA                             | 928              |
| 0.31 to 1.00 percent sulfur                    | --               | --                            | 1,390                               | --                                   | 106                       | --                       | -361                      | --                              | NA             | NA                             | 4,359            |
| Greater than 1.00 percent sulfur               | --               | --                            | -17                                 | 2,998                                | 527                       | --                       | 1,396                     | --                              | NA             | NA                             | 13,344           |
| Petrochemical Feedstocks                       | --               | --                            | 5,520                               | 188                                  | 113                       | --                       | -160                      | --                              | --             | 5,981                          | 1,851            |
| Naphtha for Petro. Feed. Use                   | --               | --                            | 2,842                               | 161                                  | 113                       | --                       | -63                       | --                              | --             | 3,179                          | 1,345            |
| Other Oils for Petro. Feed. Use                | --               | --                            | 2,678                               | 27                                   | --                        | --                       | -97                       | --                              | --             | 2,802                          | 506              |
| Special Naphthas                               | --               | --                            | 901                                 | 452                                  | -15                       | --                       | -26                       | --                              | --             | 1,364                          | 804              |
| Lubricants                                     | --               | --                            | 3,318                               | 1,776                                | -550                      | --                       | -71                       | --                              | 2,360          | 2,255                          | 8,989            |
| Waxes                                          | --               | --                            | 129                                 | 20                                   | --                        | --                       | 32                        | --                              | 17             | 100                            | 314              |
| Petroleum Coke                                 | --               | --                            | 13,505                              | 355                                  | 270                       | --                       | -73                       | --                              | 14,574         | -371                           | 3,291            |
| Marketable                                     | --               | --                            | 10,602                              | 355                                  | 270                       | --                       | -73                       | --                              | 14,574         | -3,274                         | 3,291            |
| Catalyst                                       | --               | --                            | 2,903                               | --                                   | --                        | --                       | --                        | --                              | --             | 2,903                          | --               |
| Asphalt and Road Oil                           | --               | --                            | 2,665                               | --                                   | -134                      | --                       | 363                       | --                              | 118            | 2,050                          | 5,904            |
| Still Gas                                      | --               | --                            | 10,784                              | --                                   | --                        | --                       | --                        | --                              | --             | 10,784                         | --               |
| Miscellaneous Products                         | --               | --                            | 1,634                               | --                                   | -6                        | --                       | 78                        | --                              | 30             | 1,520                          | 662              |
| <b>Total</b>                                   | <b>393,682</b>   | <b>3,574</b>                  | <b>233,749</b>                      | <b>56,441</b>                        | <b>-50,987</b>            | <b>33,011</b>            | <b>-12,624</b>            | <b>216,906</b>                  | <b>272,686</b> | <b>192,501</b>                 | <b>1,025,453</b> |

-- = Not Applicable.

NA = No Data Reported.

-- = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>7</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.



**Table 14. PAD District 3 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-October 2022**  
(Thousand Barrels)

| Commodity                                      | Supply           |                               |                                     |                                      |                           |                          | Disposition               |                                 |                  |                                |                  |
|------------------------------------------------|------------------|-------------------------------|-------------------------------------|--------------------------------------|---------------------------|--------------------------|---------------------------|---------------------------------|------------------|--------------------------------|------------------|
|                                                | Field Production | Biofuels Plant Net Production | Refinery and Blender Net Production | Imports (PADD of Entry) <sup>1</sup> | Net Receipts <sup>2</sup> | Adjustments <sup>3</sup> | Stock Change <sup>4</sup> | Refinery and Blender Net Inputs | Exports          | Products Supplied <sup>5</sup> | Ending Stocks    |
| <b>Crude Oil<sup>6</sup></b>                   | <b>2,565,547</b> | --                            | --                                  | <b>395,634</b>                       | <b>306,516</b>            | <b>231,708</b>           | <b>-175,941</b>           | <b>2,637,738</b>                | <b>1,037,608</b> | <b>0</b>                       | <b>642,794</b>   |
| <b>Hydrocarbon Gas Liquids</b>                 | <b>1,080,887</b> | <b>-142</b>                   | <b>135,601</b>                      | <b>99</b>                            | <b>276,387</b>            | --                       | <b>34,015</b>             | <b>109,525</b>                  | <b>554,429</b>   | <b>794,863</b>                 | <b>156,621</b>   |
| Natural Gas Liquids                            | 1,080,887        | -142                          | 74,054                              | 48                                   | 271,162                   | --                       | 33,855                    | 109,525                         | 554,429          | 728,200                        | 155,318          |
| Ethane                                         | 473,558          | --                            | 1,917                               | --                                   | 170,883                   | --                       | -10,129                   | --                              | 92,402           | 564,085                        | 44,138           |
| Propane                                        | 324,935          | --                            | 47,407                              | 16                                   | 80,933                    | --                       | 17,596                    | --                              | 364,207          | 71,488                         | 47,730           |
| Normal Butane                                  | 74,651           | --                            | 26,677                              | 30                                   | 36,741                    | --                       | 17,797                    | 26,865                          | 95,071           | -1,634                         | 38,540           |
| Isobutane                                      | 95,145           | --                            | -1,947                              | --                                   | 6,089                     | --                       | 2,474                     | 41,821                          | 1,530            | 53,462                         | 8,888            |
| Natural Gasoline                               | 112,598          | -142                          | --                                  | 2                                    | -23,484                   | --                       | 6,117                     | 40,839                          | 1,220            | 40,798                         | 16,022           |
| Refinery Olefins                               | --               | --                            | 61,547                              | 51                                   | 5,225                     | --                       | 160                       | --                              | --               | 66,663                         | 1,303            |
| Ethylene                                       | --               | --                            | 90                                  | --                                   | --                        | --                       | 0                         | --                              | --               | 90                             | --               |
| Propylene                                      | --               | --                            | 64,327                              | --                                   | 5,225                     | --                       | -318                      | --                              | --               | 69,870                         | 461              |
| Normal Butylene                                | --               | --                            | -2,619                              | 51                                   | --                        | --                       | 494                       | --                              | --               | -3,062                         | 842              |
| Isobutylene                                    | --               | --                            | -251                                | --                                   | --                        | --                       | -16                       | --                              | --               | -235                           | 0                |
| <b>Other Liquids</b>                           | --               | <b>31,216</b>                 | --                                  | <b>144,431</b>                       | <b>-568,767</b>           | <b>-3,378</b>            | <b>2,187</b>              | <b>-561,025</b>                 | <b>101,926</b>   | <b>60,416</b>                  | <b>124,433</b>   |
| Hydrogen/Biofuels/Other Hydrocarbons           | --               | 31,216                        | --                                  | 831                                  | 47,731                    | 43,476                   | -793                      | 87,243                          | 18,545           | 18,260                         | 4,752            |
| Hydrogen                                       | --               | --                            | --                                  | --                                   | --                        | 38,890                   | --                        | 38,890                          | --               | 0                              | --               |
| Biofuels (including Fuel Ethanol)              | --               | 31,216                        | --                                  | 755                                  | 47,731                    | 4,662                    | -793                      | 48,353                          | 18,545           | 18,260                         | 4,752            |
| Fuel Ethanol                                   | --               | 7,000                         | --                                  | --                                   | 50,159                    | 4,662                    | -319                      | 44,796                          | 17,344           | 0                              | 3,558            |
| Biofuels (excluding Fuel Ethanol) <sup>7</sup> | --               | 24,216                        | --                                  | 755                                  | -2,428                    | --                       | -475                      | 3,557                           | 1,202            | 18,260                         | 1,194            |
| Other Hydrocarbons                             | --               | --                            | --                                  | 76                                   | --                        | -76                      | --                        | --                              | --               | 0                              | --               |
| Unfinished Oils                                | --               | --                            | --                                  | 127,852                              | 5,710                     | --                       | 4,376                     | 20,169                          | 67,031           | 41,986                         | 46,082           |
| Motor Gasoline Blend.Comp. (MGBC)              | --               | --                            | --                                  | 15,748                               | -622,208                  | -46,853                  | -1,399                    | -668,264                        | 16,350           | 0                              | 73,571           |
| Reformulated                                   | --               | --                            | --                                  | 417                                  | -115,314                  | 31,684                   | 435                       | -83,658                         | 10               | 0                              | 9,928            |
| Conventional                                   | --               | --                            | --                                  | 15,331                               | -506,894                  | -78,537                  | -1,834                    | -584,606                        | 16,340           | 0                              | 63,643           |
| Aviation Gasoline Blend. Comp.                 | --               | --                            | --                                  | --                                   | --                        | --                       | 3                         | -173                            | --               | 170                            | 28               |
| <b>Finished Petroleum Products</b>             | --               | <b>66</b>                     | <b>2,225,099</b>                    | <b>64,294</b>                        | <b>-451,877</b>           | <b>42,192</b>            | <b>6,500</b>              | --                              | <b>836,491</b>   | <b>1,036,783</b>               | <b>101,605</b>   |
| Finished Motor Gasoline                        | --               | 0                             | 657,487                             | 179                                  | -28,836                   | 42,192                   | -307                      | --                              | 251,131          | 420,198                        | 6,462            |
| Reformulated                                   | --               | --                            | 138,373                             | --                                   | --                        | -25,644                  | --                        | --                              | --               | 112,729                        | --               |
| Conventional                                   | --               | 0                             | 519,114                             | 179                                  | -28,836                   | 67,836                   | -307                      | --                              | 251,131          | 307,469                        | 6,462            |
| Finished Aviation Gasoline                     | --               | --                            | 2,756                               | 80                                   | -1,003                    | --                       | -6                        | --                              | --               | 1,839                          | 501              |
| Kerosene-Type Jet Fuel                         | --               | --                            | 251,859                             | --                                   | -155,898                  | --                       | 218                       | --                              | 49,088           | 46,655                         | 11,280           |
| Kerosene                                       | --               | --                            | 879                                 | --                                   | -235                      | --                       | 142                       | --                              | 1,942            | -1,440                         | 456              |
| Distillate Fuel Oil                            | --               | 66                            | 890,483                             | 271                                  | -274,895                  | --                       | 3,225                     | --                              | 352,757          | 259,943                        | 42,460           |
| 15 ppm sulfur and under                        | --               | 66                            | 832,902                             | 136                                  | -265,363                  | --                       | 1,018                     | --                              | 303,569          | 263,154                        | 35,567           |
| Greater than 15 ppm to 500 ppm sulfur          | --               | 0                             | 23,584                              | 25                                   | -1,263                    | --                       | 77                        | --                              | 24,064           | -1,795                         | 1,161            |
| Greater than 500 ppm sulfur                    | --               | --                            | 33,997                              | 110                                  | -8,269                    | --                       | 2,130                     | --                              | 25,125           | -1,417                         | 5,732            |
| Residual Fuel Oil                              | --               | --                            | 23,746                              | 42,456                               | 7,799                     | --                       | 3,302                     | --                              | 23,833           | 46,866                         | 18,631           |
| Less than 0.31 percent sulfur                  | --               | --                            | 9,433                               | 880                                  | 554                       | --                       | -143                      | --                              | NA               | NA                             | 928              |
| 0.31 to 1.00 percent sulfur                    | --               | --                            | 12,690                              | 2,021                                | 3,428                     | --                       | -25                       | --                              | NA               | NA                             | 4,359            |
| Greater than 1.00 percent sulfur               | --               | --                            | 1,623                               | 39,555                               | 3,817                     | --                       | 3,470                     | --                              | NA               | NA                             | 13,344           |
| Petrochemical Feedstocks                       | --               | --                            | 59,429                              | 2,341                                | 694                       | --                       | -155                      | --                              | --               | 62,619                         | 1,851            |
| Naphtha for Petro. Feed. Use                   | --               | --                            | 33,289                              | 2,000                                | 591                       | --                       | -123                      | --                              | --               | 36,003                         | 1,345            |
| Other Oils for Petro. Feed. Use                | --               | --                            | 26,140                              | 341                                  | 103                       | --                       | -32                       | --                              | --               | 26,616                         | 506              |
| Special Naphthas                               | --               | --                            | 10,253                              | 4,066                                | -91                       | --                       | -46                       | --                              | --               | 14,274                         | 804              |
| Lubricants                                     | --               | --                            | 38,990                              | 11,552                               | -6,777                    | --                       | -680                      | --                              | 23,236           | 21,209                         | 8,989            |
| Waxes                                          | --               | --                            | 1,429                               | 350                                  | --                        | --                       | 40                        | --                              | 223              | 1,516                          | 314              |
| Petroleum Coke                                 | --               | --                            | 137,864                             | 2,940                                | 8,550                     | --                       | -555                      | --                              | 131,095          | 18,814                         | 3,291            |
| Marketable                                     | --               | --                            | 106,790                             | 2,940                                | 8,550                     | --                       | -555                      | --                              | 131,095          | -12,260                        | 3,291            |
| Catalyst                                       | --               | --                            | 31,074                              | --                                   | --                        | --                       | --                        | --                              | --               | 31,074                         | --               |
| Asphalt and Road Oil                           | --               | --                            | 24,921                              | 59                                   | -1,115                    | --                       | 986                       | --                              | 2,841            | 20,038                         | 5,904            |
| Still Gas                                      | --               | --                            | 108,523                             | --                                   | --                        | --                       | --                        | --                              | --               | 108,523                        | --               |
| Miscellaneous Products                         | --               | --                            | 16,480                              | --                                   | -69                       | --                       | 336                       | --                              | 345              | 15,730                         | 662              |
| <b>Total</b>                                   | <b>3,646,434</b> | <b>31,140</b>                 | <b>2,360,700</b>                    | <b>604,458</b>                       | <b>-437,740</b>           | <b>270,522</b>           | <b>-133,239</b>           | <b>2,186,238</b>                | <b>2,530,454</b> | <b>1,892,061</b>               | <b>1,025,453</b> |

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>7</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 15. PAD District 3 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, October 2022**  
(Thousand Barrels per Day)

| Commodity                                      | Supply           |                               |                                     |                                      |                           |                          | Disposition               |                                 |              |                                |
|------------------------------------------------|------------------|-------------------------------|-------------------------------------|--------------------------------------|---------------------------|--------------------------|---------------------------|---------------------------------|--------------|--------------------------------|
|                                                | Field Production | Biofuels Plant Net Production | Refinery and Blender Net Production | Imports (PADD of Entry) <sup>1</sup> | Net Receipts <sup>2</sup> | Adjustments <sup>3</sup> | Stock Change <sup>4</sup> | Refinery and Blender Net Inputs | Exports      | Products Supplied <sup>5</sup> |
| <b>Crude Oil<sup>6</sup></b>                   | <b>8,928</b>     | --                            | --                                  | <b>1,138</b>                         | <b>1,009</b>              | <b>937</b>               | <b>-444</b>               | <b>8,439</b>                    | <b>4,017</b> | <b>0</b>                       |
| <b>Hydrocarbon Gas Liquids</b>                 | <b>3,771</b>     | <b>0</b>                      | <b>325</b>                          | <b>1</b>                             | <b>852</b>                | --                       | <b>-46</b>                | <b>397</b>                      | <b>1,976</b> | <b>2,622</b>                   |
| Natural Gas Liquids                            | 3,771            | 0                             | 159                                 | --                                   | 840                       | --                       | -46                       | 397                             | 1,976        | 2,443                          |
| Ethane                                         | 1,650            | --                            | 5                                   | --                                   | 492                       | --                       | 1                         | --                              | 307          | 1,839                          |
| Propane                                        | 1,132            | --                            | 150                                 | --                                   | 214                       | --                       | 83                        | --                              | 1,293        | 119                            |
| Normal Butane                                  | 260              | --                            | 13                                  | --                                   | 99                        | --                       | -151                      | 151                             | 373          | -2                             |
| Isobutane                                      | 332              | --                            | -8                                  | --                                   | 22                        | --                       | 31                        | 138                             | 2            | 176                            |
| Natural Gasoline                               | 397              | 0                             | --                                  | --                                   | 12                        | --                       | -10                       | 108                             | 1            | 311                            |
| Refinery Olefins                               | --               | --                            | 166                                 | 1                                    | 12                        | --                       | 0                         | --                              | --           | 179                            |
| Ethylene                                       | --               | --                            | 0                                   | --                                   | --                        | --                       | 0                         | --                              | --           | 0                              |
| Propylene                                      | --               | --                            | 176                                 | --                                   | 12                        | --                       | -6                        | --                              | --           | 194                            |
| Normal Butylene                                | --               | --                            | -10                                 | 1                                    | --                        | --                       | 6                         | --                              | --           | -15                            |
| Isobutylene                                    | --               | --                            | --                                  | --                                   | --                        | --                       | 0                         | --                              | --           | 0                              |
| <b>Other Liquids</b>                           | --               | <b>115</b>                    | --                                  | <b>495</b>                           | <b>-1,894</b>             | <b>-43</b>               | <b>67</b>                 | <b>-1,839</b>                   | <b>214</b>   | <b>231</b>                     |
| Hydrogen/Biofuels/Other Hydrocarbons           | --               | 115                           | --                                  | 4                                    | 145                       | 124                      | -3                        | 287                             | 36           | 68                             |
| Hydrogen                                       | --               | --                            | --                                  | --                                   | --                        | 128                      | --                        | 128                             | --           | 0                              |
| Biofuels (including Fuel Ethanol)              | --               | 115                           | --                                  | 4                                    | 145                       | -4                       | -3                        | 159                             | 36           | 68                             |
| Fuel Ethanol                                   | --               | 22                            | --                                  | --                                   | 158                       | -4                       | -1                        | 149                             | 27           | 0                              |
| Biofuels (excluding Fuel Ethanol) <sup>7</sup> | --               | 94                            | --                                  | 4                                    | -13                       | --                       | -1                        | 9                               | 8            | 68                             |
| Other Hydrocarbons                             | --               | --                            | --                                  | 0                                    | --                        | 0                        | --                        | --                              | --           | 0                              |
| Unfinished Oils                                | --               | --                            | --                                  | 447                                  | 33                        | --                       | 68                        | 110                             | 139          | 163                            |
| Motor Gasoline Blend.Comp. (MGBC)              | --               | --                            | --                                  | 44                                   | -2,072                    | -167                     | 2                         | -2,236                          | 39           | 0                              |
| Reformulated                                   | --               | --                            | --                                  | --                                   | -309                      | 140                      | 12                        | -181                            | 0            | 0                              |
| Conventional                                   | --               | --                            | --                                  | 44                                   | -1,763                    | -307                     | -10                       | -2,055                          | 39           | 0                              |
| Aviation Gasoline Blend. Comp.                 | --               | --                            | --                                  | --                                   | --                        | --                       | 0                         | 1                               | --           | 0                              |
| <b>Finished Petroleum Products</b>             | --               | <b>0</b>                      | <b>7,215</b>                        | <b>187</b>                           | <b>-1,611</b>             | <b>171</b>               | <b>16</b>                 | --                              | <b>2,589</b> | <b>3,356</b>                   |
| Finished Motor Gasoline                        | --               | 0                             | 2,161                               | --                                   | -118                      | 171                      | -8                        | --                              | 792          | 1,431                          |
| Reformulated                                   | --               | --                            | 469                                 | --                                   | --                        | -84                      | --                        | --                              | --           | 385                            |
| Conventional                                   | --               | 0                             | 1,691                               | --                                   | -118                      | 256                      | -8                        | --                              | 792          | 1,046                          |
| Finished Aviation Gasoline                     | --               | --                            | 9                                   | --                                   | -5                        | --                       | 0                         | --                              | --           | 4                              |
| Kerosene-Type Jet Fuel                         | --               | --                            | 762                                 | --                                   | -503                      | --                       | -15                       | --                              | 147          | 127                            |
| Kerosene                                       | --               | --                            | 8                                   | --                                   | -1                        | --                       | 3                         | --                              | 1            | 3                              |
| Distillate Fuel Oil                            | --               | 0                             | 2,954                               | --                                   | -1,000                    | --                       | -14                       | --                              | 1,015        | 953                            |
| 15 ppm sulfur and under                        | --               | 0                             | 2,786                               | --                                   | -970                      | --                       | -3                        | --                              | 864          | 955                            |
| Greater than 15 ppm to 500 ppm sulfur          | --               | 0                             | 63                                  | --                                   | -1                        | --                       | -2                        | --                              | 67           | -3                             |
| Greater than 500 ppm sulfur                    | --               | --                            | 105                                 | --                                   | -29                       | --                       | -8                        | --                              | 84           | 1                              |
| Residual Fuel Oil                              | --               | --                            | 79                                  | 97                                   | 26                        | --                       | 45                        | --                              | 82           | 74                             |
| Less than 0.31 percent sulfur                  | --               | --                            | 35                                  | --                                   | 6                         | --                       | 12                        | --                              | NA           | NA                             |
| 0.31 to 1.00 percent sulfur                    | --               | --                            | 45                                  | --                                   | 3                         | --                       | -12                       | --                              | NA           | NA                             |
| Greater than 1.00 percent sulfur               | --               | --                            | -1                                  | 97                                   | 17                        | --                       | 45                        | --                              | NA           | NA                             |
| Petrochemical Feedstocks                       | --               | --                            | 178                                 | 6                                    | 4                         | --                       | -5                        | --                              | --           | 193                            |
| Naphtha for Petro. Feed. Use                   | --               | --                            | 92                                  | 5                                    | 4                         | --                       | -2                        | --                              | --           | 103                            |
| Other Oils for Petro. Feed. Use                | --               | --                            | 86                                  | 1                                    | --                        | --                       | -3                        | --                              | --           | 90                             |
| Special Naphthas                               | --               | --                            | 29                                  | 15                                   | 0                         | --                       | -1                        | --                              | --           | 44                             |
| Lubricants                                     | --               | --                            | 107                                 | 57                                   | -18                       | --                       | -2                        | --                              | 76           | 73                             |
| Waxes                                          | --               | --                            | 4                                   | 1                                    | --                        | --                       | 1                         | --                              | 1            | 3                              |
| Petroleum Coke                                 | --               | --                            | 436                                 | 11                                   | 9                         | --                       | -2                        | --                              | 470          | -12                            |
| Marketable                                     | --               | --                            | 342                                 | 11                                   | 9                         | --                       | -2                        | --                              | 470          | -106                           |
| Catalyst                                       | --               | --                            | 94                                  | --                                   | --                        | --                       | --                        | --                              | --           | 94                             |
| Asphalt and Road Oil                           | --               | --                            | 86                                  | --                                   | -4                        | --                       | 12                        | --                              | 4            | 66                             |
| Still Gas                                      | --               | --                            | 348                                 | --                                   | --                        | --                       | --                        | --                              | --           | 348                            |
| Miscellaneous Products                         | --               | --                            | 53                                  | --                                   | 0                         | --                       | 3                         | --                              | 1            | 49                             |
| <b>Total</b>                                   | <b>12,699</b>    | <b>115</b>                    | <b>7,540</b>                        | <b>1,821</b>                         | <b>-1,645</b>             | <b>1,065</b>             | <b>-407</b>               | <b>6,997</b>                    | <b>8,796</b> | <b>6,210</b>                   |

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>7</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 16. PAD District 3 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-October 2022**  
(Thousand Barrels per Day)

| Commodity                                      | Supply           |                               |                                     |                                      |                           |                          | Disposition               |                                 |              |                                |
|------------------------------------------------|------------------|-------------------------------|-------------------------------------|--------------------------------------|---------------------------|--------------------------|---------------------------|---------------------------------|--------------|--------------------------------|
|                                                | Field Production | Biofuels Plant Net Production | Refinery and Blender Net Production | Imports (PADD of Entry) <sup>1</sup> | Net Receipts <sup>2</sup> | Adjustments <sup>3</sup> | Stock Change <sup>4</sup> | Refinery and Blender Net Inputs | Exports      | Products Supplied <sup>5</sup> |
| <b>Crude Oil<sup>6</sup></b>                   | <b>8,439</b>     | --                            | --                                  | <b>1,301</b>                         | <b>1,008</b>              | <b>762</b>               | <b>-579</b>               | <b>8,677</b>                    | <b>3,413</b> | <b>0</b>                       |
| <b>Hydrocarbon Gas Liquids</b>                 | <b>3,556</b>     | <b>0</b>                      | <b>446</b>                          | <b>0</b>                             | <b>909</b>                | --                       | <b>112</b>                | <b>360</b>                      | <b>1,824</b> | <b>2,615</b>                   |
| Natural Gas Liquids                            | 3,556            | 0                             | 244                                 | 0                                    | 892                       | --                       | 111                       | 360                             | 1,824        | 2,395                          |
| Ethane                                         | 1,558            | --                            | 6                                   | --                                   | 562                       | --                       | -33                       | --                              | 304          | 1,856                          |
| Propane                                        | 1,069            | --                            | 156                                 | 0                                    | 266                       | --                       | 58                        | --                              | 1,198        | 235                            |
| Normal Butane                                  | 246              | --                            | 88                                  | 0                                    | 121                       | --                       | 59                        | 88                              | 313          | -5                             |
| Isobutane                                      | 313              | --                            | -6                                  | --                                   | 20                        | --                       | 8                         | 138                             | 5            | 176                            |
| Natural Gasoline                               | 370              | 0                             | --                                  | 0                                    | -77                       | --                       | 20                        | 134                             | 4            | 134                            |
| Refinery Olefins                               | --               | --                            | 202                                 | 0                                    | 17                        | --                       | 1                         | --                              | --           | 219                            |
| Ethylene                                       | --               | --                            | 0                                   | --                                   | --                        | --                       | 0                         | --                              | --           | 0                              |
| Propylene                                      | --               | --                            | 212                                 | --                                   | 17                        | --                       | -1                        | --                              | --           | 230                            |
| Normal Butylene                                | --               | --                            | -9                                  | 0                                    | --                        | --                       | 2                         | --                              | --           | -10                            |
| Isobutylene                                    | --               | --                            | -1                                  | --                                   | --                        | --                       | 0                         | --                              | --           | -1                             |
| <b>Other Liquids</b>                           | --               | <b>103</b>                    | --                                  | <b>475</b>                           | <b>-1,871</b>             | <b>-11</b>               | <b>7</b>                  | <b>-1,845</b>                   | <b>335</b>   | <b>199</b>                     |
| Hydrogen/Biofuels/Other Hydrocarbons           | --               | 103                           | --                                  | 3                                    | 157                       | 143                      | -3                        | 287                             | 61           | 60                             |
| Hydrogen                                       | --               | --                            | --                                  | --                                   | --                        | 128                      | --                        | 128                             | --           | 0                              |
| Biofuels (including Fuel Ethanol)              | --               | 103                           | --                                  | 2                                    | 157                       | 15                       | -3                        | 159                             | 61           | 60                             |
| Fuel Ethanol                                   | --               | 23                            | --                                  | --                                   | 165                       | 15                       | -1                        | 147                             | 57           | 0                              |
| Biofuels (excluding Fuel Ethanol) <sup>7</sup> | --               | 80                            | --                                  | 2                                    | -8                        | --                       | -2                        | 12                              | 4            | 60                             |
| Other Hydrocarbons                             | --               | --                            | --                                  | 0                                    | --                        | 0                        | --                        | --                              | --           | 0                              |
| Unfinished Oils                                | --               | --                            | --                                  | 421                                  | 19                        | --                       | 14                        | 66                              | 220          | 138                            |
| Motor Gasoline Blend.Comp. (MGBC)              | --               | --                            | --                                  | 52                                   | -2,047                    | -154                     | -5                        | -2,198                          | 54           | 0                              |
| Reformulated                                   | --               | --                            | --                                  | 1                                    | -379                      | 104                      | 1                         | -275                            | 0            | 0                              |
| Conventional                                   | --               | --                            | --                                  | 50                                   | -1,667                    | -258                     | -6                        | -1,923                          | 54           | 0                              |
| Aviation Gasoline Blend. Comp.                 | --               | --                            | --                                  | --                                   | --                        | --                       | 0                         | -1                              | --           | 1                              |
| <b>Finished Petroleum Products</b>             | --               | <b>0</b>                      | <b>7,319</b>                        | <b>211</b>                           | <b>-1,486</b>             | <b>139</b>               | <b>21</b>                 | --                              | <b>2,752</b> | <b>3,410</b>                   |
| Finished Motor Gasoline                        | --               | 0                             | 2,163                               | 1                                    | -95                       | 139                      | -1                        | --                              | 826          | 1,382                          |
| Reformulated                                   | --               | --                            | 455                                 | --                                   | --                        | -84                      | --                        | --                              | --           | 371                            |
| Conventional                                   | --               | 0                             | 1,708                               | 1                                    | -95                       | 223                      | -1                        | --                              | 826          | 1,011                          |
| Finished Aviation Gasoline                     | --               | --                            | 9                                   | 0                                    | -3                        | --                       | 0                         | --                              | --           | 6                              |
| Kerosene-Type Jet Fuel                         | --               | --                            | 828                                 | --                                   | -513                      | --                       | 1                         | --                              | 161          | 153                            |
| Kerosene                                       | --               | --                            | 3                                   | --                                   | -1                        | --                       | 0                         | --                              | 6            | -5                             |
| Distillate Fuel Oil                            | --               | 0                             | 2,929                               | 1                                    | -904                      | --                       | 11                        | --                              | 1,160        | 855                            |
| 15 ppm sulfur and under                        | --               | 0                             | 2,740                               | 0                                    | -873                      | --                       | 3                         | --                              | 999          | 866                            |
| Greater than 15 ppm to 500 ppm sulfur          | --               | 0                             | 78                                  | 0                                    | -4                        | --                       | 0                         | --                              | 79           | -6                             |
| Greater than 500 ppm sulfur                    | --               | --                            | 112                                 | 0                                    | -27                       | --                       | 7                         | --                              | 83           | -5                             |
| Residual Fuel Oil                              | --               | --                            | 78                                  | 140                                  | 26                        | --                       | 11                        | --                              | 78           | 154                            |
| Less than 0.31 percent sulfur                  | --               | --                            | 31                                  | 3                                    | 2                         | --                       | 0                         | --                              | NA           | NA                             |
| 0.31 to 1.00 percent sulfur                    | --               | --                            | 42                                  | 7                                    | 11                        | --                       | 0                         | --                              | NA           | NA                             |
| Greater than 1.00 percent sulfur               | --               | --                            | 5                                   | 130                                  | 13                        | --                       | 11                        | --                              | NA           | NA                             |
| Petrochemical Feedstocks                       | --               | --                            | 195                                 | 8                                    | 2                         | --                       | -1                        | --                              | --           | 206                            |
| Naphtha for Petro. Feed. Use                   | --               | --                            | 110                                 | 7                                    | 2                         | --                       | 0                         | --                              | --           | 118                            |
| Other Oils for Petro. Feed. Use                | --               | --                            | 86                                  | 1                                    | 0                         | --                       | 0                         | --                              | --           | 88                             |
| Special Naphthas                               | --               | --                            | 34                                  | 13                                   | 0                         | --                       | 0                         | --                              | --           | 47                             |
| Lubricants                                     | --               | --                            | 128                                 | 38                                   | -22                       | --                       | -2                        | --                              | 76           | 70                             |
| Waxes                                          | --               | --                            | 5                                   | 1                                    | --                        | --                       | 0                         | --                              | 1            | 5                              |
| Petroleum Coke                                 | --               | --                            | 454                                 | 10                                   | 28                        | --                       | -2                        | --                              | 431          | 62                             |
| Marketable                                     | --               | --                            | 351                                 | 10                                   | 28                        | --                       | -2                        | --                              | 431          | -40                            |
| Catalyst                                       | --               | --                            | 102                                 | --                                   | --                        | --                       | --                        | --                              | --           | 102                            |
| Asphalt and Road Oil                           | --               | --                            | 82                                  | 0                                    | -4                        | --                       | 3                         | --                              | 9            | 66                             |
| Still Gas                                      | --               | --                            | 357                                 | --                                   | --                        | --                       | --                        | --                              | --           | 357                            |
| Miscellaneous Products                         | --               | --                            | 54                                  | --                                   | 0                         | --                       | 1                         | --                              | 1            | 52                             |
| <b>Total</b>                                   | <b>11,995</b>    | <b>102</b>                    | <b>7,765</b>                        | <b>1,988</b>                         | <b>-1,440</b>             | <b>890</b>               | <b>-438</b>               | <b>7,192</b>                    | <b>8,324</b> | <b>6,224</b>                   |

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>7</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 17. PAD District 4 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, October 2022**  
(Thousand Barrels)

| Commodity                                      | Supply           |                               |                                     |                                      |                           |                          | Disposition               |                                 |           |                                | Ending Stocks |
|------------------------------------------------|------------------|-------------------------------|-------------------------------------|--------------------------------------|---------------------------|--------------------------|---------------------------|---------------------------------|-----------|--------------------------------|---------------|
|                                                | Field Production | Biofuels Plant Net Production | Refinery and Blender Net Production | Imports (PADD of Entry) <sup>1</sup> | Net Receipts <sup>2</sup> | Adjustments <sup>3</sup> | Stock Change <sup>4</sup> | Refinery and Blender Net Inputs | Exports   | Products Supplied <sup>5</sup> |               |
| <b>Crude Oil</b>                               | <b>27,804</b>    | --                            | --                                  | <b>12,875</b>                        | <b>-21,065</b>            | <b>-910</b>              | <b>21</b>                 | <b>18,683</b>                   | --        | <b>0</b>                       | <b>23,444</b> |
| <b>Hydrocarbon Gas Liquids</b>                 | <b>17,006</b>    | <b>-11</b>                    | <b>195</b>                          | <b>368</b>                           | <b>-15,433</b>            | --                       | <b>-477</b>               | <b>618</b>                      | <b>11</b> | <b>1,974</b>                   | <b>7,728</b>  |
| Natural Gas Liquids                            | 17,006           | -11                           | 107                                 | 368                                  | -15,433                   | --                       | -426                      | 618                             | 11        | 1,835                          | 7,656         |
| Ethane                                         | 5,341            | --                            | --                                  | --                                   | -5,213                    | --                       | 98                        | --                              | --        | 30                             | 1,186         |
| Propane                                        | 5,890            | --                            | 224                                 | 325                                  | -5,042                    | --                       | 28                        | --                              | 0         | 1,369                          | 2,943         |
| Normal Butane                                  | 2,336            | --                            | -121                                | 42                                   | -2,196                    | --                       | -515                      | 243                             | 1         | 332                            | 2,310         |
| Isobutane                                      | 1,042            | --                            | 4                                   | --                                   | -1,014                    | --                       | 4                         | 156                             | --        | -128                           | 438           |
| Natural Gasoline                               | 2,397            | -11                           | --                                  | 1                                    | -1,968                    | --                       | -41                       | 219                             | 10        | 232                            | 779           |
| Refinery Olefins                               | --               | --                            | 88                                  | --                                   | --                        | --                       | -51                       | --                              | --        | 139                            | 72            |
| Ethylene                                       | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --        | --                             | --            |
| Propylene                                      | --               | --                            | 28                                  | --                                   | --                        | --                       | 0                         | --                              | --        | 28                             | 7             |
| Normal Butylene                                | --               | --                            | 60                                  | --                                   | --                        | --                       | -51                       | --                              | --        | 111                            | 65            |
| Isobutylene                                    | --               | --                            | --                                  | --                                   | --                        | --                       | 0                         | --                              | --        | 0                              | 0             |
| <b>Other Liquids</b>                           | --               | <b>626</b>                    | --                                  | <b>43</b>                            | <b>1,150</b>              | <b>103</b>               | <b>398</b>                | <b>1,230</b>                    | <b>14</b> | <b>280</b>                     | <b>9,112</b>  |
| Hydrogen/Biofuels/Other Hydrocarbons           | --               | 626                           | --                                  | 10                                   | 426                       | 261                      | 52                        | 1,154                           | 12        | 105                            | 551           |
| Hydrogen                                       | --               | --                            | --                                  | --                                   | --                        | 172                      | --                        | 172                             | --        | 0                              | --            |
| Biofuels (including Fuel Ethanol)              | --               | 626                           | --                                  | 10                                   | 426                       | 89                       | 52                        | 982                             | 12        | 105                            | 551           |
| Fuel Ethanol                                   | --               | 462                           | --                                  | --                                   | 397                       | 89                       | 0                         | 948                             | --        | 0                              | 366           |
| Biofuels (excluding Fuel Ethanol) <sup>6</sup> | --               | 164                           | --                                  | 10                                   | 29                        | --                       | 52                        | 34                              | 12        | 105                            | 186           |
| Other Hydrocarbons                             | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --        | --                             | --            |
| Unfinished Oils                                | --               | --                            | --                                  | 10                                   | --                        | --                       | -98                       | -67                             | 0         | 175                            | 2,740         |
| Motor Gasoline Blend.Comp. (MGBC)              | --               | --                            | --                                  | 23                                   | 724                       | -158                     | 444                       | 143                             | 2         | 0                              | 5,821         |
| Reformulated                                   | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --        | --                             | --            |
| Conventional                                   | --               | --                            | --                                  | 23                                   | 724                       | -158                     | 444                       | 143                             | 2         | 0                              | 5,821         |
| Aviation Gasoline Blend. Comp.                 | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --        | --                             | --            |
| <b>Finished Petroleum Products</b>             | --               | <b>0</b>                      | <b>21,238</b>                       | <b>102</b>                           | <b>-322</b>               | <b>69</b>                | <b>-68</b>                | --                              | <b>18</b> | <b>21,137</b>                  | <b>7,136</b>  |
| Finished Motor Gasoline                        | --               | --                            | 11,007                              | --                                   | -410                      | 69                       | 173                       | --                              | --        | 10,493                         | 1,182         |
| Reformulated                                   | --               | --                            | --                                  | --                                   | --                        | --                       | 0                         | --                              | --        | 0                              | --            |
| Conventional                                   | --               | --                            | 11,007                              | --                                   | -410                      | 69                       | 173                       | --                              | --        | 10,493                         | 1,181         |
| Finished Aviation Gasoline                     | --               | --                            | 4                                   | --                                   | --                        | --                       | -1                        | --                              | --        | 5                              | 6             |
| Kerosene-Type Jet Fuel                         | --               | --                            | 1,105                               | --                                   | 775                       | --                       | 114                       | --                              | --        | 1,766                          | 764           |
| Kerosene                                       | --               | --                            | --                                  | --                                   | --                        | --                       | 0                         | --                              | --        | 0                              | 1             |
| Distillate Fuel Oil                            | --               | 0                             | 6,224                               | 26                                   | 169                       | --                       | -109                      | --                              | --        | 6,528                          | 3,531         |
| 15 ppm sulfur and under                        | --               | 0                             | 6,186                               | 26                                   | 169                       | --                       | -53                       | --                              | --        | 6,434                          | 3,329         |
| Greater than 15 ppm to 500 ppm sulfur          | --               | --                            | 48                                  | --                                   | --                        | --                       | -45                       | --                              | --        | 93                             | 122           |
| Greater than 500 ppm sulfur                    | --               | --                            | -10                                 | --                                   | --                        | --                       | -11                       | --                              | --        | 1                              | 80            |
| Residual Fuel Oil                              | --               | --                            | 324                                 | --                                   | --                        | --                       | -7                        | --                              | --        | 331                            | 189           |
| Less than 0.31 percent sulfur                  | --               | --                            | 178                                 | --                                   | --                        | --                       | -1                        | --                              | NA        | NA                             | 28            |
| 0.31 to 1.00 percent sulfur                    | --               | --                            | 23                                  | --                                   | --                        | --                       | -3                        | --                              | NA        | NA                             | 4             |
| Greater than 1.00 percent sulfur               | --               | --                            | 123                                 | --                                   | --                        | --                       | -3                        | --                              | NA        | NA                             | 157           |
| Petrochemical Feedstocks                       | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --        | --                             | --            |
| Naphtha for Petro. Feed. Use                   | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --        | --                             | --            |
| Other Oils for Petro. Feed. Use                | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --        | --                             | --            |
| Special Naphthas                               | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --        | --                             | --            |
| Lubricants                                     | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | 16        | -16                            | --            |
| Waxes                                          | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | 0         | 0                              | --            |
| Petroleum Coke                                 | --               | --                            | 648                                 | --                                   | -378                      | --                       | -100                      | --                              | --        | 370                            | 63            |
| Marketable                                     | --               | --                            | 421                                 | --                                   | -378                      | --                       | -100                      | --                              | --        | 143                            | 63            |
| Catalyst                                       | --               | --                            | 227                                 | --                                   | --                        | --                       | --                        | --                              | --        | 227                            | --            |
| Asphalt and Road Oil                           | --               | --                            | 1,166                               | 75                                   | -478                      | --                       | -132                      | --                              | 2         | 893                            | 1,383         |
| Still Gas                                      | --               | --                            | 628                                 | --                                   | --                        | --                       | --                        | --                              | --        | 628                            | --            |
| Miscellaneous Products                         | --               | --                            | 132                                 | 1                                    | --                        | --                       | -6                        | --                              | --        | 139                            | 17            |
| <b>Total</b>                                   | <b>44,810</b>    | <b>615</b>                    | <b>21,433</b>                       | <b>13,388</b>                        | <b>-35,670</b>            | <b>-738</b>              | <b>-127</b>               | <b>20,531</b>                   | <b>43</b> | <b>23,390</b>                  | <b>47,420</b> |

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isocane, and Isocane." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 18. PAD District 4 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-October 2022**  
(Thousand Barrels)

| Commodity                                            | Supply           |                               |                                     |                                      |                           |                          | Disposition               |                                 |            |                                | Ending Stocks |
|------------------------------------------------------|------------------|-------------------------------|-------------------------------------|--------------------------------------|---------------------------|--------------------------|---------------------------|---------------------------------|------------|--------------------------------|---------------|
|                                                      | Field Production | Biofuels Plant Net Production | Refinery and Blender Net Production | Imports (PADD of Entry) <sup>1</sup> | Net Receipts <sup>2</sup> | Adjustments <sup>3</sup> | Stock Change <sup>4</sup> | Refinery and Blender Net Inputs | Exports    | Products Supplied <sup>5</sup> |               |
| <b>Crude Oil</b> .....                               | <b>261,370</b>   | <b>--</b>                     | <b>--</b>                           | <b>118,124</b>                       | <b>-195,111</b>           | <b>-8,437</b>            | <b>-882</b>               | <b>176,828</b>                  | <b>0</b>   | <b>0</b>                       | <b>23,444</b> |
| <b>Hydrocarbon Gas Liquids</b> .....                 | <b>164,757</b>   | <b>-101</b>                   | <b>3,823</b>                        | <b>3,572</b>                         | <b>-151,698</b>           | <b>--</b>                | <b>550</b>                | <b>5,017</b>                    | <b>387</b> | <b>14,400</b>                  | <b>7,728</b>  |
| Natural Gas Liquids .....                            | 164,757          | -101                          | 2,587                               | 3,572                                | -151,698                  | --                       | 554                       | 5,017                           | 387        | 13,160                         | 7,656         |
| Ethane .....                                         | 52,933           | --                            | --                                  | --                                   | -54,471                   | --                       | -113                      | --                              | 1          | -1,426                         | 1,186         |
| Propane .....                                        | 56,639           | --                            | 2,129                               | 3,352                                | -48,960                   | --                       | 110                       | --                              | 9          | 13,041                         | 2,943         |
| Normal Butane .....                                  | 22,352           | --                            | 485                                 | 197                                  | -19,433                   | --                       | 491                       | 1,748                           | 24         | 1,338                          | 2,310         |
| Isobutane .....                                      | 10,021           | --                            | -27                                 | 22                                   | -10,081                   | --                       | 0                         | 1,684                           | --         | -1,749                         | 438           |
| Natural Gasoline .....                               | 22,812           | -101                          | --                                  | 1                                    | -18,753                   | --                       | 66                        | 1,585                           | 353        | 1,956                          | 779           |
| Refinery Olefins .....                               | --               | --                            | 1,236                               | --                                   | --                        | --                       | -4                        | --                              | --         | 1,240                          | 72            |
| Ethylene .....                                       | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --         | --                             | --            |
| Propylene .....                                      | --               | --                            | 370                                 | --                                   | --                        | --                       | 4                         | --                              | --         | 366                            | 7             |
| Normal Butylene .....                                | --               | --                            | 866                                 | --                                   | --                        | --                       | -8                        | --                              | --         | 874                            | 65            |
| Isobutylene .....                                    | --               | --                            | --                                  | --                                   | --                        | --                       | 0                         | --                              | --         | 0                              | 0             |
| <b>Other Liquids</b> .....                           | <b>--</b>        | <b>7,060</b>                  | <b>--</b>                           | <b>777</b>                           | <b>10,008</b>             | <b>2,438</b>             | <b>-643</b>               | <b>17,045</b>                   | <b>137</b> | <b>3,743</b>                   | <b>9,112</b>  |
| Hydrogen/Biofuels/Other Hydrocarbons .....           | --               | 7,060                         | --                                  | 95                                   | 3,691                     | 3,447                    | 131                       | 11,916                          | 121        | 2,124                          | 551           |
| Hydrogen .....                                       | --               | --                            | --                                  | --                                   | --                        | 2,139                    | --                        | 2,139                           | --         | 0                              | --            |
| Biofuels (including Fuel Ethanol) .....              | --               | 7,060                         | --                                  | 95                                   | 3,691                     | 1,308                    | 131                       | 9,777                           | 121        | 2,124                          | 551           |
| Fuel Ethanol .....                                   | --               | 4,327                         | --                                  | 7                                    | 3,441                     | 1,308                    | -13                       | 9,095                           | 2          | 0                              | 366           |
| Biofuels (excluding Fuel Ethanol) <sup>6</sup> ..... | --               | 2,732                         | --                                  | 88                                   | 249                       | --                       | 145                       | 682                             | 119        | 2,124                          | 186           |
| Other Hydrocarbons .....                             | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --         | --                             | --            |
| Unfinished Oils .....                                | --               | --                            | --                                  | 158                                  | --                        | --                       | -30                       | -1,434                          | 2          | 1,620                          | 2,740         |
| Motor Gasoline Blend.Comp. (MGBC) .....              | --               | --                            | --                                  | 524                                  | 6,317                     | -1,009                   | -744                      | 6,563                           | 13         | 0                              | 5,821         |
| Reformulated .....                                   | --               | --                            | --                                  | --                                   | 40                        | -40                      | --                        | --                              | --         | --                             | --            |
| Conventional .....                                   | --               | --                            | --                                  | 524                                  | 6,277                     | -969                     | -744                      | 6,563                           | 13         | 0                              | 5,821         |
| Aviation Gasoline Blend. Comp. ....                  | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --         | --                             | --            |
| <b>Finished Petroleum Products</b> .....             | <b>--</b>        | <b>-4</b>                     | <b>203,353</b>                      | <b>2,646</b>                         | <b>-1,864</b>             | <b>-299</b>              | <b>-1,599</b>             | <b>--</b>                       | <b>153</b> | <b>205,277</b>                 | <b>7,136</b>  |
| Finished Motor Gasoline .....                        | --               | --                            | 105,183                             | 20                                   | -3,419                    | -299                     | -400                      | --                              | 8          | 101,877                        | 1,182         |
| Reformulated .....                                   | --               | --                            | --                                  | --                                   | --                        | 44                       | 1                         | --                              | --         | 43                             | --            |
| Conventional .....                                   | --               | --                            | 105,183                             | 20                                   | -3,419                    | -344                     | -401                      | --                              | 8          | 101,833                        | 1,181         |
| Finished Aviation Gasoline .....                     | --               | --                            | 40                                  | 5                                    | --                        | --                       | -3                        | --                              | --         | 48                             | 6             |
| Kerosene-Type Jet Fuel .....                         | --               | --                            | 10,496                              | 311                                  | 6,739                     | --                       | 72                        | --                              | 1          | 17,473                         | 764           |
| Kerosene .....                                       | --               | --                            | 2                                   | --                                   | --                        | --                       | 0                         | --                              | --         | 2                              | 1             |
| Distillate Fuel Oil .....                            | --               | -4                            | 60,314                              | 1,548                                | 1,055                     | --                       | -995                      | --                              | 0          | 63,908                         | 3,531         |
| 15 ppm sulfur and under .....                        | --               | -4                            | 59,668                              | 1,545                                | 1,055                     | --                       | -968                      | --                              | 0          | 63,232                         | 3,329         |
| Greater than 15 ppm to 500 ppm sulfur .....          | --               | --                            | 631                                 | --                                   | --                        | --                       | -41                       | --                              | --         | 672                            | 122           |
| Greater than 500 ppm sulfur .....                    | --               | --                            | 15                                  | 3                                    | --                        | --                       | 14                        | --                              | --         | 4                              | 80            |
| Residual Fuel Oil .....                              | --               | --                            | 3,267                               | --                                   | --                        | --                       | -23                       | --                              | --         | 3,290                          | 189           |
| Less than 0.31 percent sulfur .....                  | --               | --                            | 1,690                               | --                                   | --                        | --                       | 6                         | --                              | NA         | NA                             | 28            |
| 0.31 to 1.00 percent sulfur .....                    | --               | --                            | 376                                 | --                                   | --                        | --                       | 0                         | --                              | NA         | NA                             | 4             |
| Greater than 1.00 percent sulfur .....               | --               | --                            | 1,201                               | --                                   | --                        | --                       | -29                       | --                              | NA         | NA                             | 157           |
| Petrochemical Feedstocks .....                       | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --         | --                             | --            |
| Naphtha for Petro. Feed. Use .....                   | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --         | --                             | --            |
| Other Oils for Petro. Feed. Use .....                | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --         | --                             | --            |
| Special Naphthas .....                               | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --         | --                             | --            |
| Lubricants .....                                     | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | 123        | -123                           | --            |
| Waxes .....                                          | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | 1          | -1                             | --            |
| Petroleum Coke .....                                 | --               | --                            | 6,204                               | --                                   | -1,751                    | --                       | -74                       | --                              | 0          | 4,527                          | 63            |
| Marketable .....                                     | --               | --                            | 4,118                               | --                                   | -1,751                    | --                       | -74                       | --                              | 0          | 2,441                          | 63            |
| Catalyst .....                                       | --               | --                            | 2,086                               | --                                   | --                        | --                       | --                        | --                              | --         | 2,086                          | --            |
| Asphalt and Road Oil .....                           | --               | --                            | 10,121                              | 752                                  | -4,488                    | --                       | -176                      | --                              | 20         | 6,541                          | 1,383         |
| Still Gas .....                                      | --               | --                            | 6,486                               | --                                   | --                        | --                       | --                        | --                              | --         | 6,486                          | --            |
| Miscellaneous Products .....                         | --               | --                            | 1,240                               | 10                                   | --                        | --                       | 0                         | --                              | 0          | 1,250                          | 17            |
| <b>Total</b> .....                                   | <b>426,127</b>   | <b>6,955</b>                  | <b>207,176</b>                      | <b>125,119</b>                       | <b>-338,665</b>           | <b>-6,298</b>            | <b>-2,574</b>             | <b>198,890</b>                  | <b>677</b> | <b>223,421</b>                 | <b>47,420</b> |

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isocane, and Isocane." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.



**Table 19. PAD District 4 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, October 2022**  
(Thousand Barrels per Day)

| Commodity                                      | Supply           |                               |                                     |                                      |                           |                          | Disposition               |                                 |          |                                |
|------------------------------------------------|------------------|-------------------------------|-------------------------------------|--------------------------------------|---------------------------|--------------------------|---------------------------|---------------------------------|----------|--------------------------------|
|                                                | Field Production | Biofuels Plant Net Production | Refinery and Blender Net Production | Imports (PADD of Entry) <sup>1</sup> | Net Receipts <sup>2</sup> | Adjustments <sup>3</sup> | Stock Change <sup>4</sup> | Refinery and Blender Net Inputs | Exports  | Products Supplied <sup>5</sup> |
| <b>Crude Oil</b>                               | <b>897</b>       | --                            | --                                  | <b>415</b>                           | <b>-680</b>               | <b>-29</b>               | <b>1</b>                  | <b>603</b>                      | --       | <b>0</b>                       |
| <b>Hydrocarbon Gas Liquids</b>                 | <b>549</b>       | <b>0</b>                      | <b>6</b>                            | <b>12</b>                            | <b>-498</b>               | --                       | <b>-15</b>                | <b>20</b>                       | <b>0</b> | <b>64</b>                      |
| Natural Gas Liquids                            | 549              | 0                             | 3                                   | 12                                   | -498                      | --                       | -14                       | 20                              | 0        | 59                             |
| Ethane                                         | 172              | --                            | --                                  | --                                   | -168                      | --                       | 3                         | --                              | --       | 1                              |
| Propane                                        | 190              | --                            | 7                                   | 10                                   | -163                      | --                       | 1                         | --                              | 0        | 44                             |
| Normal Butane                                  | 75               | --                            | -4                                  | 1                                    | -71                       | --                       | -17                       | 8                               | 0        | 11                             |
| Isobutane                                      | 34               | --                            | 0                                   | --                                   | -33                       | --                       | 0                         | 5                               | --       | -4                             |
| Natural Gasoline                               | 77               | 0                             | --                                  | 0                                    | -63                       | --                       | -1                        | 7                               | 0        | 7                              |
| Refinery Olefins                               | --               | --                            | 3                                   | --                                   | --                        | --                       | -2                        | --                              | --       | 4                              |
| Ethylene                                       | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --       | --                             |
| Propylene                                      | --               | --                            | 1                                   | --                                   | --                        | --                       | 0                         | --                              | --       | 1                              |
| Normal Butylene                                | --               | --                            | 2                                   | --                                   | --                        | --                       | -2                        | --                              | --       | 4                              |
| Isobutylene                                    | --               | --                            | --                                  | --                                   | --                        | --                       | 0                         | --                              | --       | 0                              |
| <b>Other Liquids</b>                           | --               | <b>20</b>                     | --                                  | <b>1</b>                             | <b>37</b>                 | <b>3</b>                 | <b>13</b>                 | <b>40</b>                       | <b>0</b> | <b>9</b>                       |
| Hydrogen/Biofuels/Other Hydrocarbons           | --               | 20                            | --                                  | 0                                    | 14                        | 8                        | 2                         | 37                              | 0        | 3                              |
| Hydrogen                                       | --               | --                            | --                                  | --                                   | --                        | 6                        | --                        | 6                               | --       | 0                              |
| Biofuels (including Fuel Ethanol)              | --               | 20                            | --                                  | 0                                    | 14                        | 3                        | 2                         | 32                              | 0        | 3                              |
| Fuel Ethanol                                   | --               | 15                            | --                                  | --                                   | 13                        | 3                        | 0                         | 31                              | --       | 0                              |
| Biofuels (excluding Fuel Ethanol) <sup>6</sup> | --               | 5                             | --                                  | 0                                    | 1                         | --                       | 2                         | 1                               | 0        | 3                              |
| Other Hydrocarbons                             | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --       | --                             |
| Unfinished Oils                                | --               | --                            | --                                  | 0                                    | --                        | --                       | -3                        | -2                              | 0        | 6                              |
| Motor Gasoline Blend.Comp. (MGBC)              | --               | --                            | --                                  | 1                                    | 23                        | -5                       | 14                        | 5                               | 0        | 0                              |
| Reformulated                                   | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --       | --                             |
| Conventional                                   | --               | --                            | --                                  | 1                                    | 23                        | -5                       | 14                        | 5                               | 0        | 0                              |
| Aviation Gasoline Blend. Comp.                 | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --       | --                             |
| <b>Finished Petroleum Products</b>             | --               | <b>0</b>                      | <b>685</b>                          | <b>3</b>                             | <b>-10</b>                | <b>2</b>                 | <b>-2</b>                 | --                              | <b>1</b> | <b>682</b>                     |
| Finished Motor Gasoline                        | --               | --                            | 355                                 | --                                   | -13                       | 2                        | 6                         | --                              | --       | 338                            |
| Reformulated                                   | --               | --                            | --                                  | --                                   | --                        | --                       | 0                         | --                              | --       | 0                              |
| Conventional                                   | --               | --                            | 355                                 | --                                   | -13                       | 2                        | 6                         | --                              | --       | 338                            |
| Finished Aviation Gasoline                     | --               | --                            | 0                                   | --                                   | --                        | --                       | 0                         | --                              | --       | 0                              |
| Kerosene-Type Jet Fuel                         | --               | --                            | 36                                  | --                                   | 25                        | --                       | 4                         | --                              | --       | 57                             |
| Kerosene                                       | --               | --                            | --                                  | --                                   | --                        | --                       | 0                         | --                              | --       | 0                              |
| Distillate Fuel Oil                            | --               | 0                             | 201                                 | 1                                    | 5                         | --                       | -4                        | --                              | --       | 211                            |
| 15 ppm sulfur and under                        | --               | 0                             | 200                                 | 1                                    | 5                         | --                       | -2                        | --                              | --       | 208                            |
| Greater than 15 ppm to 500 ppm sulfur          | --               | --                            | 2                                   | --                                   | --                        | --                       | -1                        | --                              | --       | 3                              |
| Greater than 500 ppm sulfur                    | --               | --                            | 0                                   | --                                   | --                        | --                       | 0                         | --                              | --       | 0                              |
| Residual Fuel Oil                              | --               | --                            | 10                                  | --                                   | --                        | --                       | 0                         | --                              | --       | 11                             |
| Less than 0.31 percent sulfur                  | --               | --                            | 6                                   | --                                   | --                        | --                       | 0                         | --                              | NA       | NA                             |
| 0.31 to 1.00 percent sulfur                    | --               | --                            | 1                                   | --                                   | --                        | --                       | 0                         | --                              | NA       | NA                             |
| Greater than 1.00 percent sulfur               | --               | --                            | 4                                   | --                                   | --                        | --                       | 0                         | --                              | NA       | NA                             |
| Petrochemical Feedstocks                       | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --       | --                             |
| Naphtha for Petro. Feed. Use                   | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --       | --                             |
| Other Oils for Petro. Feed. Use                | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --       | --                             |
| Special Naphthas                               | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --       | --                             |
| Lubricants                                     | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | 1        | -1                             |
| Waxes                                          | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | 0        | 0                              |
| Petroleum Coke                                 | --               | --                            | 21                                  | --                                   | -12                       | --                       | -3                        | --                              | --       | 12                             |
| Marketable                                     | --               | --                            | 14                                  | --                                   | -12                       | --                       | -3                        | --                              | --       | 5                              |
| Catalyst                                       | --               | --                            | 7                                   | --                                   | --                        | --                       | --                        | --                              | --       | 7                              |
| Asphalt and Road Oil                           | --               | --                            | 38                                  | 2                                    | -15                       | --                       | -4                        | --                              | 0        | 29                             |
| Still Gas                                      | --               | --                            | 20                                  | --                                   | --                        | --                       | --                        | --                              | --       | 20                             |
| Miscellaneous Products                         | --               | --                            | 4                                   | 0                                    | --                        | --                       | 0                         | --                              | --       | 4                              |
| <b>Total</b>                                   | <b>1,445</b>     | <b>20</b>                     | <b>691</b>                          | <b>432</b>                           | <b>-1,151</b>             | <b>-24</b>               | <b>-4</b>                 | <b>662</b>                      | <b>1</b> | <b>755</b>                     |

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 20. PAD District 4 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-October 2022**  
(Thousand Barrels per Day)

| Commodity                                      | Supply           |                               |                                     |                                      |                           |                          | Disposition               |                                 |          |                                |
|------------------------------------------------|------------------|-------------------------------|-------------------------------------|--------------------------------------|---------------------------|--------------------------|---------------------------|---------------------------------|----------|--------------------------------|
|                                                | Field Production | Biofuels Plant Net Production | Refinery and Blender Net Production | Imports (PADD of Entry) <sup>1</sup> | Net Receipts <sup>2</sup> | Adjustments <sup>3</sup> | Stock Change <sup>4</sup> | Refinery and Blender Net Inputs | Exports  | Products Supplied <sup>5</sup> |
| <b>Crude Oil</b>                               | <b>860</b>       | --                            | --                                  | <b>389</b>                           | <b>-642</b>               | <b>-28</b>               | <b>-3</b>                 | <b>582</b>                      | <b>0</b> | <b>0</b>                       |
| <b>Hydrocarbon Gas Liquids</b>                 | <b>542</b>       | <b>0</b>                      | <b>13</b>                           | <b>12</b>                            | <b>-499</b>               | --                       | <b>2</b>                  | <b>17</b>                       | <b>1</b> | <b>47</b>                      |
| Natural Gas Liquids                            | 542              | 0                             | 9                                   | 12                                   | -499                      | --                       | 2                         | 17                              | 1        | 43                             |
| Ethane                                         | 174              | --                            | --                                  | --                                   | -179                      | --                       | 0                         | --                              | 0        | -5                             |
| Propane                                        | 186              | --                            | 7                                   | 11                                   | -161                      | --                       | 0                         | --                              | 0        | 43                             |
| Normal Butane                                  | 74               | --                            | 2                                   | 1                                    | -64                       | --                       | 2                         | 6                               | 0        | 4                              |
| Isobutane                                      | 33               | --                            | 0                                   | 0                                    | -33                       | --                       | 0                         | 6                               | --       | -6                             |
| Natural Gasoline                               | 75               | 0                             | --                                  | 0                                    | -62                       | --                       | 0                         | 5                               | 1        | 6                              |
| Refinery Olefins                               | --               | --                            | 4                                   | --                                   | --                        | --                       | 0                         | --                              | --       | 4                              |
| Ethylene                                       | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --       | --                             |
| Propylene                                      | --               | --                            | 1                                   | --                                   | --                        | --                       | 0                         | --                              | --       | 1                              |
| Normal Butylene                                | --               | --                            | 3                                   | --                                   | --                        | --                       | 0                         | --                              | --       | 3                              |
| Isobutylene                                    | --               | --                            | --                                  | --                                   | --                        | --                       | 0                         | --                              | --       | 0                              |
| <b>Other Liquids</b>                           | --               | <b>23</b>                     | --                                  | <b>3</b>                             | <b>33</b>                 | <b>8</b>                 | <b>-2</b>                 | <b>56</b>                       | <b>0</b> | <b>12</b>                      |
| Hydrogen/Biofuels/Other Hydrocarbons           | --               | 23                            | --                                  | 0                                    | 12                        | 11                       | 0                         | 39                              | 0        | 7                              |
| Hydrogen                                       | --               | --                            | --                                  | --                                   | --                        | 7                        | --                        | 7                               | --       | 0                              |
| Biofuels (including Fuel Ethanol)              | --               | 23                            | --                                  | 0                                    | 12                        | 4                        | 0                         | 32                              | 0        | 7                              |
| Fuel Ethanol                                   | --               | 14                            | --                                  | 0                                    | 11                        | 4                        | 0                         | 30                              | 0        | 0                              |
| Biofuels (excluding Fuel Ethanol) <sup>6</sup> | --               | 9                             | --                                  | 0                                    | 1                         | --                       | 0                         | 2                               | 0        | 7                              |
| Other Hydrocarbons                             | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --       | --                             |
| Unfinished Oils                                | --               | --                            | --                                  | 1                                    | --                        | --                       | 0                         | -5                              | 0        | 5                              |
| Motor Gasoline Blend.Comp. (MGBC)              | --               | --                            | --                                  | 2                                    | 21                        | -3                       | -2                        | 22                              | 0        | 0                              |
| Reformulated                                   | --               | --                            | --                                  | --                                   | 0                         | 0                        | --                        | --                              | --       | --                             |
| Conventional                                   | --               | --                            | --                                  | 2                                    | 21                        | -3                       | -2                        | 22                              | 0        | 0                              |
| Aviation Gasoline Blend. Comp.                 | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --       | --                             |
| <b>Finished Petroleum Products</b>             | --               | <b>0</b>                      | <b>669</b>                          | <b>9</b>                             | <b>-6</b>                 | <b>-1</b>                | <b>-5</b>                 | --                              | <b>1</b> | <b>675</b>                     |
| Finished Motor Gasoline                        | --               | --                            | 346                                 | 0                                    | -11                       | -1                       | -1                        | --                              | 0        | 335                            |
| Reformulated                                   | --               | --                            | --                                  | --                                   | --                        | 0                        | 0                         | --                              | --       | 0                              |
| Conventional                                   | --               | --                            | 346                                 | 0                                    | -11                       | -1                       | -1                        | --                              | 0        | 335                            |
| Finished Aviation Gasoline                     | --               | --                            | 0                                   | 0                                    | --                        | --                       | 0                         | --                              | --       | 0                              |
| Kerosene-Type Jet Fuel                         | --               | --                            | 35                                  | 1                                    | 22                        | --                       | 0                         | --                              | 0        | 57                             |
| Kerosene                                       | --               | --                            | 0                                   | --                                   | --                        | --                       | 0                         | --                              | --       | 0                              |
| Distillate Fuel Oil                            | --               | 0                             | 198                                 | 5                                    | 3                         | --                       | -3                        | --                              | 0        | 210                            |
| 15 ppm sulfur and under                        | --               | 0                             | 196                                 | 5                                    | 3                         | --                       | -3                        | --                              | 0        | 208                            |
| Greater than 15 ppm to 500 ppm sulfur          | --               | --                            | 2                                   | --                                   | --                        | --                       | 0                         | --                              | --       | 2                              |
| Greater than 500 ppm sulfur                    | --               | --                            | 0                                   | 0                                    | --                        | --                       | 0                         | --                              | --       | 0                              |
| Residual Fuel Oil                              | --               | --                            | 11                                  | --                                   | --                        | --                       | 0                         | --                              | --       | 11                             |
| Less than 0.31 percent sulfur                  | --               | --                            | 6                                   | --                                   | --                        | --                       | 0                         | --                              | NA       | NA                             |
| 0.31 to 1.00 percent sulfur                    | --               | --                            | 1                                   | --                                   | --                        | --                       | 0                         | --                              | NA       | NA                             |
| Greater than 1.00 percent sulfur               | --               | --                            | 4                                   | --                                   | --                        | --                       | 0                         | --                              | NA       | NA                             |
| Petrochemical Feedstocks                       | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --       | --                             |
| Naphtha for Petro. Feed. Use                   | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --       | --                             |
| Other Oils for Petro. Feed. Use                | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --       | --                             |
| Special Naphthas                               | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --       | --                             |
| Lubricants                                     | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | 0        | 0                              |
| Waxes                                          | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | 0        | 0                              |
| Petroleum Coke                                 | --               | --                            | 20                                  | --                                   | -6                        | --                       | 0                         | --                              | 0        | 15                             |
| Marketable                                     | --               | --                            | 14                                  | --                                   | -6                        | --                       | 0                         | --                              | 0        | 8                              |
| Catalyst                                       | --               | --                            | 7                                   | --                                   | --                        | --                       | --                        | --                              | --       | 7                              |
| Asphalt and Road Oil                           | --               | --                            | 33                                  | 2                                    | -15                       | --                       | -1                        | --                              | 0        | 22                             |
| Still Gas                                      | --               | --                            | 21                                  | --                                   | --                        | --                       | --                        | --                              | --       | 21                             |
| Miscellaneous Products                         | --               | --                            | 4                                   | 0                                    | --                        | --                       | 0                         | --                              | 0        | 4                              |
| <b>Total</b>                                   | <b>1,402</b>     | <b>23</b>                     | <b>682</b>                          | <b>412</b>                           | <b>-1,114</b>             | <b>-21</b>               | <b>-8</b>                 | <b>654</b>                      | <b>2</b> | <b>735</b>                     |

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 21. PAD District 5 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, October 2022**  
(Thousand Barrels)

| Commodity                                      | Supply           |                               |                                     |                                      |                           |                          | Disposition               |                                 |              |                                | Ending Stocks  |
|------------------------------------------------|------------------|-------------------------------|-------------------------------------|--------------------------------------|---------------------------|--------------------------|---------------------------|---------------------------------|--------------|--------------------------------|----------------|
|                                                | Field Production | Biofuels Plant Net Production | Refinery and Blender Net Production | Imports (PADD of Entry) <sup>1</sup> | Net Receipts <sup>2</sup> | Adjustments <sup>3</sup> | Stock Change <sup>4</sup> | Refinery and Blender Net Inputs | Exports      | Products Supplied <sup>5</sup> |                |
| <b>Crude Oil</b>                               | <b>24,011</b>    | --                            | --                                  | <b>37,646</b>                        | <b>2,164</b>              | <b>1,819</b>             | <b>1,154</b>              | <b>64,486</b>                   | --           | <b>0</b>                       | <b>49,593</b>  |
| <b>Hydrocarbon Gas Liquids</b>                 | <b>2,037</b>     | <b>-5</b>                     | <b>67</b>                           | <b>1,471</b>                         | <b>1,275</b>              | --                       | <b>611</b>                | <b>2,599</b>                    | <b>1,394</b> | <b>240</b>                     | <b>5,904</b>   |
| Natural Gas Liquids                            | 2,037            | -5                            | 33                                  | 1,471                                | 1,275                     | --                       | 634                       | 2,599                           | 1,394        | 183                            | 5,832          |
| Ethane                                         | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | 0            | 0                              | --             |
| Propane                                        | 243              | --                            | 901                                 | 810                                  | 396                       | --                       | 521                       | --                              | 767          | 1,062                          | 2,447          |
| Normal Butane                                  | 588              | --                            | -831                                | 633                                  | 677                       | --                       | 128                       | 1,105                           | 623          | -789                           | 2,990          |
| Isobutane                                      | 185              | --                            | -37                                 | 28                                   | 202                       | --                       | -23                       | 537                             | 3            | -139                           | 353            |
| Natural Gasoline                               | 1,021            | -5                            | --                                  | --                                   | --                        | --                       | 8                         | 957                             | 2            | 49                             | 42             |
| Refinery Olefins                               | --               | --                            | 34                                  | --                                   | --                        | --                       | -23                       | --                              | --           | 57                             | 72             |
| Ethylene                                       | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --           | --                             | --             |
| Propylene                                      | --               | --                            | 66                                  | --                                   | --                        | --                       | -1                        | --                              | --           | 67                             | 6              |
| Normal Butylene                                | --               | --                            | -32                                 | --                                   | --                        | --                       | -22                       | --                              | --           | -10                            | 66             |
| Isobutylene                                    | --               | --                            | --                                  | --                                   | --                        | --                       | 0                         | --                              | --           | 0                              | 0              |
| <b>Other Liquids</b>                           | <b>--</b>        | <b>908</b>                    | <b>--</b>                           | <b>4,297</b>                         | <b>10,278</b>             | <b>96</b>                | <b>1,553</b>              | <b>12,296</b>                   | <b>580</b>   | <b>1,150</b>                   | <b>48,155</b>  |
| Hydrogen/Biofuels/Other Hydrocarbons           | --               | 908                           | --                                  | 565                                  | 5,280                     | 1,652                    | -542                      | 6,863                           | 248          | 1,836                          | 4,646          |
| Hydrogen                                       | --               | --                            | --                                  | --                                   | --                        | 1,440                    | --                        | 1,440                           | --           | 0                              | --             |
| Biofuels (including Fuel Ethanol)              | --               | 908                           | --                                  | 565                                  | 5,280                     | 212                      | -542                      | 5,423                           | 248          | 1,836                          | 4,646          |
| Fuel Ethanol                                   | --               | 185                           | --                                  | --                                   | 4,275                     | 212                      | -153                      | 4,610                           | 216          | 0                              | 2,641          |
| Biofuels (excluding Fuel Ethanol) <sup>6</sup> | --               | 722                           | --                                  | 565                                  | 1,005                     | --                       | -389                      | 813                             | 32           | 1,836                          | 2,004          |
| Other Hydrocarbons                             | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --           | --                             | --             |
| Unfinished Oils                                | --               | --                            | --                                  | 1,952                                | --                        | --                       | -364                      | 2,818                           | 184          | -686                           | 18,308         |
| Motor Gasoline Blend.Comp. (MGBC)              | --               | 0                             | --                                  | 1,780                                | 4,998                     | -1,557                   | 2,459                     | 2,615                           | 147          | 0                              | 25,201         |
| Reformulated                                   | --               | 0                             | --                                  | 326                                  | 2,144                     | 557                      | 1,810                     | 1,214                           | 3            | 0                              | 12,703         |
| Conventional                                   | --               | --                            | --                                  | 1,454                                | 2,854                     | -2,113                   | 649                       | 1,401                           | 145          | 0                              | 12,498         |
| Aviation Gasoline Blend. Comp.                 | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --           | --                             | --             |
| <b>Finished Petroleum Products</b>             | <b>--</b>        | <b>75</b>                     | <b>84,692</b>                       | <b>4,919</b>                         | <b>2,131</b>              | <b>1,344</b>             | <b>1,589</b>              | <b>--</b>                       | <b>6,743</b> | <b>84,829</b>                  | <b>31,980</b>  |
| Finished Motor Gasoline                        | --               | 71                            | 44,737                              | 1,182                                | 92                        | 1,344                    | 509                       | --                              | 562          | 46,356                         | 2,237          |
| Reformulated                                   | --               | --                            | 31,473                              | --                                   | --                        | -357                     | 2                         | --                              | --           | 31,114                         | 22             |
| Conventional                                   | --               | 71                            | 13,264                              | 1,182                                | 92                        | 1,701                    | 507                       | --                              | 562          | 15,242                         | 2,215          |
| Finished Aviation Gasoline                     | --               | --                            | 82                                  | 2                                    | --                        | --                       | 58                        | --                              | --           | 26                             | 284            |
| Kerosene-Type Jet Fuel                         | --               | 6                             | 12,707                              | 2,322                                | 211                       | --                       | 161                       | --                              | 369          | 14,716                         | 9,087          |
| Kerosene                                       | --               | --                            | 12                                  | --                                   | --                        | --                       | 0                         | --                              | 0            | 12                             | 4              |
| Distillate Fuel Oil                            | --               | -2                            | 15,059                              | 541                                  | 1,169                     | --                       | 909                       | --                              | 1,722        | 14,136                         | 12,038         |
| 15 ppm sulfur and under                        | --               | -2                            | 14,139                              | 541                                  | 1,169                     | --                       | 762                       | --                              | 1,471        | 13,614                         | 11,220         |
| Greater than 15 ppm to 500 ppm sulfur          | --               | --                            | 409                                 | --                                   | --                        | --                       | 61                        | --                              | 46           | 302                            | 285            |
| Greater than 500 ppm sulfur                    | --               | --                            | 511                                 | --                                   | --                        | --                       | 86                        | --                              | 206          | 219                            | 533            |
| Residual Fuel Oil                              | --               | --                            | 2,659                               | 746                                  | --                        | --                       | -98                       | --                              | 414          | 3,089                          | 4,404          |
| Less than 0.31 percent sulfur                  | --               | --                            | 58                                  | --                                   | --                        | --                       | -118                      | --                              | NA           | NA                             | 658            |
| 0.31 to 1.00 percent sulfur                    | --               | --                            | 727                                 | 597                                  | --                        | --                       | 28                        | --                              | NA           | NA                             | 806            |
| Greater than 1.00 percent sulfur               | --               | --                            | 1,874                               | 149                                  | --                        | --                       | -8                        | --                              | NA           | NA                             | 2,940          |
| Petrochemical Feedstocks                       | --               | --                            | --                                  | --                                   | --                        | --                       | -2                        | --                              | --           | 2                              | --             |
| Naphtha for Petro. Feed. Use                   | --               | --                            | --                                  | --                                   | --                        | --                       | -2                        | --                              | --           | 2                              | --             |
| Other Oils for Petro. Feed. Use                | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --           | --                             | --             |
| Special Naphthas                               | --               | --                            | 13                                  | --                                   | --                        | --                       | 0                         | --                              | --           | 13                             | 26             |
| Lubricants                                     | --               | --                            | 487                                 | 26                                   | --                        | --                       | 193                       | --                              | 116          | 204                            | 783            |
| Waxes                                          | --               | --                            | --                                  | 69                                   | --                        | --                       | --                        | --                              | 5            | 64                             | --             |
| Petroleum Coke                                 | --               | --                            | 4,005                               | --                                   | 123                       | --                       | -25                       | --                              | 3,527        | 627                            | 1,291          |
| Marketable                                     | --               | --                            | 3,113                               | --                                   | 123                       | --                       | -25                       | --                              | 3,527        | -265                           | 1,291          |
| Catalyst                                       | --               | --                            | 892                                 | --                                   | --                        | --                       | --                        | --                              | --           | 892                            | --             |
| Asphalt and Road Oil                           | --               | --                            | 915                                 | 31                                   | 536                       | --                       | -120                      | --                              | 26           | 1,576                          | 1,753          |
| Still Gas                                      | --               | --                            | 3,631                               | --                                   | --                        | --                       | --                        | --                              | --           | 3,631                          | --             |
| Miscellaneous Products                         | --               | --                            | 385                                 | --                                   | --                        | --                       | 5                         | --                              | 1            | 379                            | 73             |
| <b>Total</b>                                   | <b>26,048</b>    | <b>978</b>                    | <b>84,759</b>                       | <b>48,333</b>                        | <b>15,848</b>             | <b>3,259</b>             | <b>4,908</b>              | <b>79,381</b>                   | <b>8,717</b> | <b>86,219</b>                  | <b>135,631</b> |

-- = Not Applicable.

NA = No Data Reported.

1 = Not Available.

1 Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

2 Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

3 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

4 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

5 Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

6 Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isocane, and Isocane." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 22. PAD District 5 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-October 2022**  
(Thousand Barrels)

| Commodity                                            | Supply           |                               |                                     |                                      |                           |                          | Disposition               |                                 |               |                                | Ending Stocks  |
|------------------------------------------------------|------------------|-------------------------------|-------------------------------------|--------------------------------------|---------------------------|--------------------------|---------------------------|---------------------------------|---------------|--------------------------------|----------------|
|                                                      | Field Production | Biofuels Plant Net Production | Refinery and Blender Net Production | Imports (PADD of Entry) <sup>1</sup> | Net Receipts <sup>2</sup> | Adjustments <sup>3</sup> | Stock Change <sup>4</sup> | Refinery and Blender Net Inputs | Exports       | Products Supplied <sup>5</sup> |                |
| <b>Crude Oil</b> .....                               | <b>237,346</b>   | --                            | --                                  | <b>359,947</b>                       | <b>24,434</b>             | <b>23,260</b>            | <b>2,845</b>              | <b>640,593</b>                  | <b>1,548</b>  | <b>0</b>                       | <b>49,593</b>  |
| <b>Hydrocarbon Gas Liquids</b> .....                 | <b>21,230</b>    | <b>-56</b>                    | <b>15,879</b>                       | <b>13,500</b>                        | <b>8,642</b>              | --                       | <b>2,307</b>              | <b>22,784</b>                   | <b>15,658</b> | <b>18,445</b>                  | <b>5,904</b>   |
| Natural Gas Liquids .....                            | 21,230           | -56                           | 14,493                              | 13,500                               | 8,642                     | --                       | 2,285                     | 22,784                          | 15,658        | 17,081                         | 5,832          |
| Ethane .....                                         | 7                | --                            | --                                  | --                                   | --                        | --                       | 0                         | --                              | 7             | 0                              | --             |
| Propane .....                                        | 2,435            | --                            | 9,730                               | 7,863                                | 3,441                     | --                       | 777                       | --                              | 7,485         | 15,207                         | 2,447          |
| Normal Butane .....                                  | 5,729            | --                            | 4,106                               | 5,523                                | 3,794                     | --                       | 1,477                     | 6,889                           | 7,925         | 2,861                          | 2,990          |
| Isobutane .....                                      | 2,811            | --                            | 657                                 | 114                                  | 1,407                     | --                       | 19                        | 6,466                           | 19            | -1,515                         | 353            |
| Natural Gasoline .....                               | 10,248           | -56                           | --                                  | --                                   | --                        | --                       | 12                        | 9,429                           | 222           | 529                            | 42             |
| Refinery Olefins .....                               | --               | --                            | 1,386                               | --                                   | --                        | --                       | 22                        | --                              | --            | 1,364                          | 72             |
| Ethylene .....                                       | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --            | --                             | --             |
| Propylene .....                                      | --               | --                            | 1,614                               | --                                   | --                        | --                       | -10                       | --                              | --            | 1,624                          | 6              |
| Normal Butylene .....                                | --               | --                            | -228                                | --                                   | --                        | --                       | 32                        | --                              | --            | -260                           | 66             |
| Isobutylene .....                                    | --               | --                            | --                                  | --                                   | --                        | --                       | 0                         | --                              | --            | 0                              | 0              |
| <b>Other Liquids</b> .....                           | --               | <b>9,961</b>                  | --                                  | <b>36,841</b>                        | <b>94,554</b>             | <b>-101</b>              | <b>-3,346</b>             | <b>120,639</b>                  | <b>7,705</b>  | <b>16,256</b>                  | <b>48,155</b>  |
| Hydrogen/Biofuels/Other Hydrocarbons .....           | --               | 9,961                         | --                                  | 6,662                                | 49,259                    | 16,396                   | -347                      | 66,058                          | 4,865         | 11,702                         | 4,646          |
| Hydrogen .....                                       | --               | --                            | --                                  | --                                   | --                        | 13,664                   | --                        | 13,664                          | --            | 0                              | --             |
| Biofuels (including Fuel Ethanol) .....              | --               | 9,961                         | --                                  | 6,662                                | 49,259                    | 2,732                    | -347                      | 52,394                          | 4,865         | 11,702                         | 4,646          |
| Fuel Ethanol .....                                   | --               | 2,173                         | --                                  | 945                                  | 41,536                    | 2,732                    | 284                       | 44,833                          | 2,270         | 0                              | 2,641          |
| Biofuels (excluding Fuel Ethanol) <sup>6</sup> ..... | --               | 7,788                         | --                                  | 5,717                                | 7,723                     | --                       | -631                      | 7,561                           | 2,596         | 11,702                         | 2,004          |
| Other Hydrocarbons .....                             | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --            | --                             | --             |
| Unfinished Oils .....                                | --               | --                            | --                                  | 18,955                               | 276                       | --                       | -625                      | 14,011                          | 1,291         | 4,554                          | 18,308         |
| Motor Gasoline Blend.Comp. (MGBC) .....              | --               | 0                             | --                                  | 11,224                               | 45,019                    | -16,497                  | -2,374                    | 40,570                          | 1,549         | 0                              | 25,201         |
| Reformulated .....                                   | --               | 0                             | --                                  | 1,615                                | 18,940                    | 2,369                    | -1,128                    | 24,037                          | 15            | 0                              | 12,703         |
| Conventional .....                                   | --               | --                            | --                                  | 9,609                                | 26,079                    | -18,866                  | -1,246                    | 16,533                          | 1,535         | 0                              | 12,498         |
| Aviation Gasoline Blend. Comp. ....                  | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --            | --                             | --             |
| <b>Finished Petroleum Products</b> .....             | --               | <b>619</b>                    | <b>818,854</b>                      | <b>46,378</b>                        | <b>20,326</b>             | <b>13,765</b>            | <b>114</b>                | --                              | <b>71,763</b> | <b>828,066</b>                 | <b>31,980</b>  |
| Finished Motor Gasoline .....                        | --               | 554                           | 438,482                             | 7,692                                | 885                       | 13,765                   | 163                       | --                              | 7,972         | 453,243                        | 2,237          |
| Reformulated .....                                   | --               | --                            | 306,185                             | --                                   | --                        | 450                      | 6                         | --                              | --            | 306,629                        | 22             |
| Conventional .....                                   | --               | 554                           | 132,297                             | 7,692                                | 885                       | 13,316                   | 157                       | --                              | 7,972         | 146,614                        | 2,215          |
| Finished Aviation Gasoline .....                     | --               | --                            | 301                                 | 21                                   | --                        | --                       | -32                       | --                              | --            | 354                            | 284            |
| Kerosene-Type Jet Fuel .....                         | --               | 80                            | 121,564                             | 26,801                               | 2,441                     | --                       | 1,021                     | --                              | 5,787         | 144,078                        | 9,087          |
| Kerosene .....                                       | --               | --                            | 70                                  | 18                                   | --                        | --                       | -31                       | --                              | 207           | -88                            | 4              |
| Distillate Fuel Oil .....                            | --               | -14                           | 144,750                             | 7,332                                | 12,545                    | --                       | -374                      | --                              | 19,443        | 145,544                        | 12,038         |
| 15 ppm sulfur and under .....                        | --               | -14                           | 136,967                             | 5,881                                | 12,545                    | --                       | -389                      | --                              | 14,990        | 140,778                        | 11,220         |
| Greater than 15 ppm to 500 ppm sulfur .....          | --               | --                            | 3,122                               | 1,260                                | --                        | --                       | 18                        | --                              | 1,595         | 2,769                          | 285            |
| Greater than 500 ppm sulfur .....                    | --               | --                            | 4,661                               | 191                                  | --                        | --                       | -3                        | --                              | 2,858         | 1,997                          | 533            |
| Residual Fuel Oil .....                              | --               | --                            | 25,014                              | 2,987                                | --                        | --                       | 54                        | --                              | 4,751         | 23,196                         | 4,404          |
| Less than 0.31 percent sulfur .....                  | --               | --                            | 459                                 | --                                   | --                        | --                       | -431                      | --                              | NA            | NA                             | 658            |
| 0.31 to 1.00 percent sulfur .....                    | --               | --                            | 6,522                               | 1,745                                | --                        | --                       | 371                       | --                              | NA            | NA                             | 806            |
| Greater than 1.00 percent sulfur .....               | --               | --                            | 18,033                              | 1,242                                | --                        | --                       | 114                       | --                              | NA            | NA                             | 2,940          |
| Petrochemical Feedstocks .....                       | --               | --                            | --                                  | 280                                  | --                        | --                       | -2                        | --                              | --            | 282                            | --             |
| Naphtha for Petro. Feed. Use .....                   | --               | --                            | --                                  | 280                                  | --                        | --                       | -2                        | --                              | --            | 282                            | --             |
| Other Oils for Petro. Feed. Use .....                | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --            | --                             | --             |
| Special Naphthas .....                               | --               | --                            | 302                                 | --                                   | --                        | --                       | 8                         | --                              | --            | 294                            | 26             |
| Lubricants .....                                     | --               | --                            | 3,331                               | 289                                  | -212                      | --                       | -166                      | --                              | 2,279         | 1,295                          | 783            |
| Waxes .....                                          | --               | --                            | --                                  | 345                                  | --                        | --                       | --                        | --                              | 42            | 303                            | --             |
| Petroleum Coke .....                                 | --               | --                            | 38,034                              | --                                   | -293                      | --                       | -44                       | --                              | 30,995        | 6,790                          | 1,291          |
| Marketable .....                                     | --               | --                            | 29,168                              | --                                   | -293                      | --                       | -44                       | --                              | 30,995        | -2,076                         | 1,291          |
| Catalyst .....                                       | --               | --                            | 8,866                               | --                                   | --                        | --                       | --                        | --                              | --            | 8,866                          | --             |
| Asphalt and Road Oil .....                           | --               | --                            | 8,113                               | 613                                  | 4,961                     | --                       | -469                      | --                              | 284           | 13,872                         | 1,753          |
| Still Gas .....                                      | --               | --                            | 35,117                              | --                                   | --                        | --                       | --                        | --                              | --            | 35,117                         | --             |
| Miscellaneous Products .....                         | --               | --                            | 3,776                               | --                                   | --                        | --                       | -14                       | --                              | 3             | 3,787                          | 73             |
| <b>Total</b> .....                                   | <b>258,576</b>   | <b>10,524</b>                 | <b>834,733</b>                      | <b>456,666</b>                       | <b>147,956</b>            | <b>36,924</b>            | <b>1,920</b>              | <b>784,016</b>                  | <b>96,675</b> | <b>862,768</b>                 | <b>135,631</b> |

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isocane, and Isocane." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 23. PAD District 5 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, October 2022**  
(Thousand Barrels per Day)

| Commodity                                      | Supply           |                               |                                     |                                      |                           |                          | Disposition               |                                 |            |                                |
|------------------------------------------------|------------------|-------------------------------|-------------------------------------|--------------------------------------|---------------------------|--------------------------|---------------------------|---------------------------------|------------|--------------------------------|
|                                                | Field Production | Biofuels Plant Net Production | Refinery and Blender Net Production | Imports (PADD of Entry) <sup>1</sup> | Net Receipts <sup>2</sup> | Adjustments <sup>3</sup> | Stock Change <sup>4</sup> | Refinery and Blender Net Inputs | Exports    | Products Supplied <sup>5</sup> |
| <b>Crude Oil</b>                               | <b>775</b>       | <b>--</b>                     | <b>--</b>                           | <b>1,214</b>                         | <b>70</b>                 | <b>59</b>                | <b>37</b>                 | <b>2,080</b>                    | <b>--</b>  | <b>0</b>                       |
| <b>Hydrocarbon Gas Liquids</b>                 | <b>66</b>        | <b>0</b>                      | <b>2</b>                            | <b>47</b>                            | <b>41</b>                 | <b>--</b>                | <b>20</b>                 | <b>84</b>                       | <b>45</b>  | <b>8</b>                       |
| Natural Gas Liquids                            | 66               | 0                             | 1                                   | 47                                   | 41                        | --                       | 20                        | 84                              | 45         | 6                              |
| Ethane                                         | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | 0          | 0                              |
| Propane                                        | 8                | --                            | 29                                  | 26                                   | 13                        | --                       | 17                        | --                              | 25         | 34                             |
| Normal Butane                                  | 19               | --                            | -27                                 | 20                                   | 22                        | --                       | 4                         | 36                              | 20         | -25                            |
| Isobutane                                      | 6                | --                            | -1                                  | 1                                    | 7                         | --                       | -1                        | 17                              | 0          | -4                             |
| Natural Gasoline                               | 33               | 0                             | --                                  | --                                   | --                        | --                       | 0                         | 31                              | 0          | 2                              |
| Refinery Olefins                               | --               | --                            | 1                                   | --                                   | --                        | --                       | -1                        | --                              | --         | 2                              |
| Ethylene                                       | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --         | --                             |
| Propylene                                      | --               | --                            | 2                                   | --                                   | --                        | --                       | 0                         | --                              | --         | 2                              |
| Normal Butylene                                | --               | --                            | -1                                  | --                                   | --                        | --                       | -1                        | --                              | --         | 0                              |
| Isobutylene                                    | --               | --                            | --                                  | --                                   | --                        | --                       | 0                         | --                              | --         | 0                              |
| <b>Other Liquids</b>                           | <b>--</b>        | <b>29</b>                     | <b>--</b>                           | <b>139</b>                           | <b>332</b>                | <b>3</b>                 | <b>50</b>                 | <b>397</b>                      | <b>19</b>  | <b>37</b>                      |
| Hydrogen/Biofuels/Other Hydrocarbons           | --               | 29                            | --                                  | 18                                   | 170                       | 53                       | -17                       | 221                             | 8          | 59                             |
| Hydrogen                                       | --               | --                            | --                                  | --                                   | --                        | 46                       | --                        | 46                              | --         | 0                              |
| Biofuels (including Fuel Ethanol)              | --               | 29                            | --                                  | 18                                   | 170                       | 7                        | -17                       | 175                             | 8          | 59                             |
| Fuel Ethanol                                   | --               | 6                             | --                                  | --                                   | 138                       | 7                        | -5                        | 149                             | 7          | 0                              |
| Biofuels (excluding Fuel Ethanol) <sup>6</sup> | --               | 23                            | --                                  | 18                                   | 32                        | --                       | -13                       | 26                              | 1          | 59                             |
| Other Hydrocarbons                             | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --         | --                             |
| Unfinished Oils                                | --               | --                            | --                                  | 63                                   | --                        | --                       | -12                       | 91                              | 6          | -22                            |
| Motor Gasoline Blend.Comp. (MGBC)              | --               | 0                             | --                                  | 57                                   | 161                       | -50                      | 79                        | 84                              | 5          | 0                              |
| Reformulated                                   | --               | 0                             | --                                  | 11                                   | 69                        | 18                       | 58                        | 39                              | 0          | 0                              |
| Conventional                                   | --               | --                            | --                                  | 47                                   | 92                        | -68                      | 21                        | 45                              | 5          | 0                              |
| Aviation Gasoline Blend. Comp.                 | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --         | --                             |
| <b>Finished Petroleum Products</b>             | <b>--</b>        | <b>2</b>                      | <b>2,732</b>                        | <b>159</b>                           | <b>69</b>                 | <b>43</b>                | <b>51</b>                 | <b>--</b>                       | <b>218</b> | <b>2,736</b>                   |
| Finished Motor Gasoline                        | --               | 2                             | 1,443                               | 38                                   | 3                         | 43                       | 16                        | --                              | 18         | 1,495                          |
| Reformulated                                   | --               | --                            | 1,015                               | --                                   | --                        | -12                      | 0                         | --                              | --         | 1,004                          |
| Conventional                                   | --               | 2                             | 428                                 | 38                                   | 3                         | 55                       | 16                        | --                              | 18         | 492                            |
| Finished Aviation Gasoline                     | --               | --                            | 3                                   | 0                                    | --                        | --                       | 2                         | --                              | --         | 1                              |
| Kerosene-Type Jet Fuel                         | --               | 0                             | 410                                 | 75                                   | 7                         | --                       | 5                         | --                              | 12         | 475                            |
| Kerosene                                       | --               | --                            | 0                                   | --                                   | --                        | --                       | 0                         | --                              | 0          | 0                              |
| Distillate Fuel Oil                            | --               | 0                             | 486                                 | 17                                   | 38                        | --                       | 29                        | --                              | 56         | 456                            |
| 15 ppm sulfur and under                        | --               | 0                             | 456                                 | 17                                   | 38                        | --                       | 25                        | --                              | 47         | 439                            |
| Greater than 15 ppm to 500 ppm sulfur          | --               | --                            | 13                                  | --                                   | --                        | --                       | 2                         | --                              | 1          | 10                             |
| Greater than 500 ppm sulfur                    | --               | --                            | 16                                  | --                                   | --                        | --                       | 3                         | --                              | 7          | 7                              |
| Residual Fuel Oil                              | --               | --                            | 86                                  | 24                                   | --                        | --                       | -3                        | --                              | 13         | 100                            |
| Less than 0.31 percent sulfur                  | --               | --                            | 2                                   | --                                   | --                        | --                       | -4                        | --                              | NA         | NA                             |
| 0.31 to 1.00 percent sulfur                    | --               | --                            | 23                                  | 19                                   | --                        | --                       | 1                         | --                              | NA         | NA                             |
| Greater than 1.00 percent sulfur               | --               | --                            | 60                                  | 5                                    | --                        | --                       | 0                         | --                              | NA         | NA                             |
| Petrochemical Feedstocks                       | --               | --                            | --                                  | --                                   | --                        | --                       | 0                         | --                              | --         | 0                              |
| Naphtha for Petro. Feed. Use                   | --               | --                            | --                                  | --                                   | --                        | --                       | 0                         | --                              | --         | 0                              |
| Other Oils for Petro. Feed. Use                | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --         | --                             |
| Special Naphthas                               | --               | --                            | 0                                   | --                                   | --                        | --                       | 0                         | --                              | --         | 0                              |
| Lubricants                                     | --               | --                            | 16                                  | 1                                    | --                        | --                       | 6                         | --                              | 4          | 7                              |
| Waxes                                          | --               | --                            | --                                  | 2                                    | --                        | --                       | --                        | --                              | 0          | 2                              |
| Petroleum Coke                                 | --               | --                            | 129                                 | --                                   | 4                         | --                       | -1                        | --                              | 114        | 20                             |
| Marketable                                     | --               | --                            | 100                                 | --                                   | 4                         | --                       | -1                        | --                              | 114        | -9                             |
| Catalyst                                       | --               | --                            | 29                                  | --                                   | --                        | --                       | --                        | --                              | --         | 29                             |
| Asphalt and Road Oil                           | --               | --                            | 30                                  | 1                                    | 17                        | --                       | -4                        | --                              | 1          | 51                             |
| Still Gas                                      | --               | --                            | 117                                 | --                                   | --                        | --                       | --                        | --                              | --         | 117                            |
| Miscellaneous Products                         | --               | --                            | 12                                  | --                                   | --                        | --                       | 0                         | --                              | 0          | 12                             |
| <b>Total</b>                                   | <b>840</b>       | <b>32</b>                     | <b>2,734</b>                        | <b>1,559</b>                         | <b>511</b>                | <b>105</b>               | <b>158</b>                | <b>2,561</b>                    | <b>281</b> | <b>2,781</b>                   |

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.



**Table 24. PAD District 5 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-October 2022**  
(Thousand Barrels per Day)

| Commodity                                      | Supply           |                               |                                     |                                      |                           |                          | Disposition               |                                 |            |                                |
|------------------------------------------------|------------------|-------------------------------|-------------------------------------|--------------------------------------|---------------------------|--------------------------|---------------------------|---------------------------------|------------|--------------------------------|
|                                                | Field Production | Biofuels Plant Net Production | Refinery and Blender Net Production | Imports (PADD of Entry) <sup>1</sup> | Net Receipts <sup>2</sup> | Adjustments <sup>3</sup> | Stock Change <sup>4</sup> | Refinery and Blender Net Inputs | Exports    | Products Supplied <sup>5</sup> |
| <b>Crude Oil</b>                               | <b>781</b>       | --                            | --                                  | <b>1,184</b>                         | <b>80</b>                 | <b>77</b>                | <b>9</b>                  | <b>2,107</b>                    | <b>5</b>   | <b>0</b>                       |
| <b>Hydrocarbon Gas Liquids</b>                 | <b>70</b>        | <b>0</b>                      | <b>52</b>                           | <b>44</b>                            | <b>28</b>                 | --                       | <b>8</b>                  | <b>75</b>                       | <b>52</b>  | <b>61</b>                      |
| Natural Gas Liquids                            | 70               | 0                             | 48                                  | 44                                   | 28                        | --                       | 8                         | 75                              | 52         | 56                             |
| Ethane                                         | 0                | --                            | --                                  | --                                   | --                        | --                       | 0                         | --                              | 0          | 0                              |
| Propane                                        | 8                | --                            | 32                                  | 26                                   | 11                        | --                       | 3                         | --                              | 25         | 50                             |
| Normal Butane                                  | 19               | --                            | 14                                  | 18                                   | 12                        | --                       | 5                         | 23                              | 26         | 9                              |
| Isobutane                                      | 9                | --                            | 2                                   | 0                                    | 5                         | --                       | 0                         | 21                              | 0          | -5                             |
| Natural Gasoline                               | 34               | 0                             | --                                  | --                                   | --                        | --                       | 0                         | 31                              | 1          | 2                              |
| Refinery Olefins                               | --               | --                            | 5                                   | --                                   | --                        | --                       | 0                         | --                              | --         | 4                              |
| Ethylene                                       | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --         | --                             |
| Propylene                                      | --               | --                            | 5                                   | --                                   | --                        | --                       | 0                         | --                              | --         | 5                              |
| Normal Butylene                                | --               | --                            | -1                                  | --                                   | --                        | --                       | 0                         | --                              | --         | -1                             |
| Isobutylene                                    | --               | --                            | --                                  | --                                   | --                        | --                       | 0                         | --                              | --         | 0                              |
| <b>Other Liquids</b>                           | --               | <b>33</b>                     | --                                  | <b>121</b>                           | <b>311</b>                | <b>0</b>                 | <b>-11</b>                | <b>397</b>                      | <b>25</b>  | <b>53</b>                      |
| Hydrogen/Biofuels/Other Hydrocarbons           | --               | 33                            | --                                  | 22                                   | 162                       | 54                       | -1                        | 217                             | 16         | 38                             |
| Hydrogen                                       | --               | --                            | --                                  | --                                   | --                        | 45                       | --                        | 45                              | --         | 0                              |
| Biofuels (including Fuel Ethanol)              | --               | 33                            | --                                  | 22                                   | 162                       | 9                        | -1                        | 172                             | 16         | 38                             |
| Fuel Ethanol                                   | --               | 7                             | --                                  | 3                                    | 137                       | 9                        | 1                         | 147                             | 7          | 0                              |
| Biofuels (excluding Fuel Ethanol) <sup>6</sup> | --               | 26                            | --                                  | 19                                   | 25                        | --                       | -2                        | 25                              | 9          | 38                             |
| Other Hydrocarbons                             | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --         | --                             |
| Unfinished Oils                                | --               | --                            | --                                  | 62                                   | 1                         | --                       | -2                        | 46                              | 4          | 15                             |
| Motor Gasoline Blend.Comp. (MGBC)              | --               | 0                             | --                                  | 37                                   | 148                       | -54                      | -8                        | 133                             | 5          | 0                              |
| Reformulated                                   | --               | 0                             | --                                  | 5                                    | 62                        | 8                        | -4                        | 79                              | 0          | 0                              |
| Conventional                                   | --               | --                            | --                                  | 32                                   | 86                        | -62                      | -4                        | 54                              | 5          | 0                              |
| Aviation Gasoline Blend. Comp.                 | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --         | --                             |
| <b>Finished Petroleum Products</b>             | --               | <b>2</b>                      | <b>2,694</b>                        | <b>153</b>                           | <b>67</b>                 | <b>45</b>                | <b>0</b>                  | --                              | <b>236</b> | <b>2,724</b>                   |
| Finished Motor Gasoline                        | --               | 2                             | 1,442                               | 25                                   | 3                         | 45                       | 1                         | --                              | 26         | 1,491                          |
| Reformulated                                   | --               | --                            | 1,007                               | --                                   | --                        | 1                        | 0                         | --                              | --         | 1,009                          |
| Conventional                                   | --               | 2                             | 435                                 | 25                                   | 3                         | 44                       | 1                         | --                              | 26         | 482                            |
| Finished Aviation Gasoline                     | --               | --                            | 1                                   | 0                                    | --                        | --                       | 0                         | --                              | --         | 1                              |
| Kerosene-Type Jet Fuel                         | --               | 0                             | 400                                 | 88                                   | 8                         | --                       | 3                         | --                              | 19         | 474                            |
| Kerosene                                       | --               | --                            | 0                                   | 0                                    | --                        | --                       | 0                         | --                              | 1          | 0                              |
| Distillate Fuel Oil                            | --               | 0                             | 476                                 | 24                                   | 41                        | --                       | -1                        | --                              | 64         | 479                            |
| 15 ppm sulfur and under                        | --               | 0                             | 451                                 | 19                                   | 41                        | --                       | -1                        | --                              | 49         | 463                            |
| Greater than 15 ppm to 500 ppm sulfur          | --               | --                            | 10                                  | 4                                    | --                        | --                       | 0                         | --                              | 5          | 9                              |
| Greater than 500 ppm sulfur                    | --               | --                            | 15                                  | 1                                    | --                        | --                       | 0                         | --                              | 9          | 7                              |
| Residual Fuel Oil                              | --               | --                            | 82                                  | 10                                   | --                        | --                       | 0                         | --                              | 16         | 76                             |
| Less than 0.31 percent sulfur                  | --               | --                            | 2                                   | --                                   | --                        | --                       | -1                        | --                              | NA         | NA                             |
| 0.31 to 1.00 percent sulfur                    | --               | --                            | 21                                  | 6                                    | --                        | --                       | 1                         | --                              | NA         | NA                             |
| Greater than 1.00 percent sulfur               | --               | --                            | 59                                  | 4                                    | --                        | --                       | 0                         | --                              | NA         | NA                             |
| Petrochemical Feedstocks                       | --               | --                            | --                                  | 1                                    | --                        | --                       | 0                         | --                              | --         | 1                              |
| Naphtha for Petro. Feed. Use                   | --               | --                            | --                                  | 1                                    | --                        | --                       | 0                         | --                              | --         | 1                              |
| Other Oils for Petro. Feed. Use                | --               | --                            | --                                  | --                                   | --                        | --                       | --                        | --                              | --         | --                             |
| Special Naphthas                               | --               | --                            | 1                                   | --                                   | --                        | --                       | 0                         | --                              | --         | 1                              |
| Lubricants                                     | --               | --                            | 11                                  | 1                                    | -1                        | --                       | -1                        | --                              | 7          | 4                              |
| Waxes                                          | --               | --                            | --                                  | 1                                    | --                        | --                       | --                        | --                              | 0          | 1                              |
| Petroleum Coke                                 | --               | --                            | 125                                 | --                                   | -1                        | --                       | 0                         | --                              | 102        | 22                             |
| Marketable                                     | --               | --                            | 96                                  | --                                   | -1                        | --                       | 0                         | --                              | 102        | -7                             |
| Catalyst                                       | --               | --                            | 29                                  | --                                   | --                        | --                       | --                        | --                              | --         | 29                             |
| Asphalt and Road Oil                           | --               | --                            | 27                                  | 2                                    | 16                        | --                       | -2                        | --                              | 1          | 46                             |
| Still Gas                                      | --               | --                            | 116                                 | --                                   | --                        | --                       | --                        | --                              | --         | 116                            |
| Miscellaneous Products                         | --               | --                            | 12                                  | --                                   | --                        | --                       | 0                         | --                              | 0          | 12                             |
| <b>Total</b>                                   | <b>851</b>       | <b>35</b>                     | <b>2,746</b>                        | <b>1,502</b>                         | <b>487</b>                | <b>121</b>               | <b>6</b>                  | <b>2,579</b>                    | <b>318</b> | <b>2,838</b>                   |

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 25. Crude Oil Supply, Disposition, and Ending Stocks by PAD District, October 2022**  
(Thousand Barrels, Except Where Noted)

| Process                                           | PAD Districts |         |         |         |        | U.S. Total |               |
|---------------------------------------------------|---------------|---------|---------|---------|--------|------------|---------------|
|                                                   | 1             | 2       | 3       | 4       | 5      | Total      | Daily Average |
| <b>Supply</b>                                     |               |         |         |         |        |            |               |
| Field Production .....                            | 1,845         | 53,384  | 276,778 | 27,804  | 24,011 | 383,822    | 12,381        |
| Alaskan .....                                     | --            | --      | --      | --      | --     | 13,483     | 435           |
| Lower 48 States .....                             | --            | --      | --      | --      | --     | 370,339    | 11,946        |
| Imports (PAD District of Entry) .....             | 20,628        | 86,920  | 35,278  | 12,875  | 37,646 | 193,347    | 6,237         |
| Commercial .....                                  | 20,628        | 86,920  | 35,278  | 12,875  | 37,646 | 193,347    | 6,237         |
| Strategic Petroleum Reserve (SPR) .....           | --            | --      | --      | --      | --     | --         | --            |
| Net Receipts .....                                | 2,901         | -15,266 | 31,266  | -21,065 | 2,164  | --         | --            |
| Adjustments <sup>1</sup> .....                    | 1,054         | 447     | 29,046  | -910    | 1,819  | 31,456     | 1,015         |
| <b>Disposition</b>                                |               |         |         |         |        |            |               |
| Stock Change <sup>2</sup> .....                   | 814           | 4,584   | -13,769 | 21      | 1,154  | -7,196     | -232          |
| Commercial .....                                  | 814           | 4,584   | 4,055   | 21      | 1,154  | 10,628     | 343           |
| SPR .....                                         | --            | --      | -17,824 | --      | --     | -17,824    | -575          |
| Refinery Inputs .....                             | 24,143        | 118,356 | 261,622 | 18,683  | 64,486 | 487,290    | 15,719        |
| Exports .....                                     | 1,471         | 2,545   | 124,515 | --      | --     | 128,531    | 4,146         |
| <b>Ending Stocks</b>                              |               |         |         |         |        |            |               |
| Total .....                                       | 8,411         | 113,765 | 642,794 | 23,444  | 49,593 | 838,007    | --            |
| Commercial .....                                  | 8,411         | 113,765 | 244,225 | 23,444  | 49,593 | 439,438    | --            |
| Refinery .....                                    | 6,098         | 13,660  | 43,761  | 2,276   | 22,681 | 88,476     | --            |
| Tank Farms and Pipelines .....                    | 2,313         | 100,105 | 200,464 | 21,168  | 24,770 | 348,820    | --            |
| Cushing, Oklahoma .....                           | --            | 28,485  | --      | --      | --     | 28,485     | --            |
| Lease .....                                       | --            | --      | --      | --      | --     | --         | --            |
| Alaskan Crude Oil In-Transit by Water .....       | --            | --      | --      | --      | 2,142  | 2,142      | --            |
| SPR .....                                         | --            | --      | 398,569 | --      | --     | 398,569    | --            |
| <b>SPR Stocks</b>                                 |               |         |         |         |        |            |               |
| Percent of Total Crude Oil Stocks (Percent) ..... | --            | --      | --      | --      | --     | 47.6       | --            |
| Percent of Total Petroleum Stocks (Percent) ..... | --            | --      | --      | --      | --     | 24.5       | --            |
| Days of Total Petroleum Net Imports (Days) .....  | --            | --      | --      | --      | --     | --         | --            |
| <b>SPR Receipts Detail</b>                        |               |         |         |         |        |            |               |
| Receipts .....                                    | --            | --      | --      | --      | --     | --         | --            |
| Domestic .....                                    | --            | --      | --      | --      | --     | --         | --            |
| Imports .....                                     | --            | --      | --      | --      | --     | --         | --            |
| Imported by SPR .....                             | --            | --      | --      | --      | --     | --         | --            |
| Imported for SPR by Others .....                  | --            | --      | --      | --      | --     | --         | --            |
| <b>Imports</b>                                    |               |         |         |         |        |            |               |
| PAD District of Entry .....                       | 20,628        | 86,920  | 35,278  | 12,875  | 37,646 | 193,347    | 6,237         |
| PAD District of Processing .....                  | 20,993        | 81,962  | 43,253  | 9,137   | 38,002 | 193,347    | 6,237         |

-- = Not Applicable.

-- = No Data Reported.

<sup>1</sup> Crude oil adjustment was previously referred to as Unaccounted-for Crude Oil.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

Notes: Totals may not equal the sum of components due to independent rounding. Values of Domestic Crude Oil Field Production are estimates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," and EIA-817, "Monthly Tanker and Barge Movements Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 26. Production of Crude Oil by PAD District and State, October 2022**  
(Thousand Barrels)

| PAD District and State                | October 2022   |               | January-October 2022 |               |
|---------------------------------------|----------------|---------------|----------------------|---------------|
|                                       | Total          | Daily Average | Total                | Daily Average |
| <b>PAD District 1</b> .....           | <b>1,845</b>   | <b>60</b>     | <b>18,878</b>        | <b>62</b>     |
| Florida .....                         | 117            | 4             | 1,043                | 3             |
| New York .....                        | 23             | 1             | 192                  | 1             |
| Pennsylvania .....                    | 383            | 12            | 4,132                | 14            |
| Virginia .....                        | 1              | 0             | 4                    | 0             |
| West Virginia .....                   | 1,322          | 43            | 13,507               | 44            |
| <b>PAD District 2</b> .....           | <b>53,384</b>  | <b>1,722</b>  | <b>505,777</b>       | <b>1,664</b>  |
| Illinois .....                        | 595            | 19            | 5,787                | 19            |
| Indiana .....                         | 151            | 5             | 1,438                | 5             |
| Kansas .....                          | 2,395          | 77            | 23,797               | 78            |
| Kentucky .....                        | 129            | 4             | 1,801                | 6             |
| Michigan .....                        | 432            | 14            | 3,783                | 12            |
| Missouri .....                        | 6              | 0             | 56                   | 0             |
| Nebraska .....                        | 142            | 5             | 1,361                | 4             |
| North Dakota .....                    | 34,202         | 1,103         | 323,944              | 1,066         |
| Ohio .....                            | 2,225          | 72            | 17,601               | 58            |
| Oklahoma .....                        | 13,019         | 420           | 125,284              | 412           |
| South Dakota .....                    | 79             | 3             | 809                  | 3             |
| Tennessee .....                       | 8              | 0             | 117                  | 0             |
| <b>PAD District 3</b> .....           | <b>276,778</b> | <b>8,928</b>  | <b>2,565,547</b>     | <b>8,439</b>  |
| Alabama .....                         | 324            | 10            | 3,199                | 11            |
| Arkansas .....                        | 377            | 12            | 3,687                | 12            |
| Louisiana .....                       | 3,276          | 106           | 30,558               | 101           |
| Mississippi .....                     | 1,074          | 35            | 10,568               | 35            |
| New Mexico .....                      | 53,550         | 1,727         | 467,536              | 1,538         |
| Texas .....                           | 161,080        | 5,196         | 1,522,178            | 5,007         |
| Federal Offshore PAD District 3 ..... | 57,098         | 1,842         | 527,822              | 1,736         |
| <b>PAD District 4</b> .....           | <b>27,804</b>  | <b>897</b>    | <b>261,370</b>       | <b>860</b>    |
| Colorado .....                        | 13,224         | 427           | 131,126              | 431           |
| Idaho .....                           | 4              | 0             | 30                   | 0             |
| Montana .....                         | 1,710          | 55            | 16,979               | 56            |
| Utah .....                            | 4,492          | 145           | 37,877               | 125           |
| Wyoming .....                         | 8,375          | 270           | 75,358               | 248           |
| <b>PAD District 5</b> .....           | <b>24,011</b>  | <b>775</b>    | <b>237,346</b>       | <b>781</b>    |
| Alaska .....                          | 13,483         | 435           | 132,425              | 436           |
| South Alaska .....                    | 288            | 9             | 2,908                | 10            |
| North Slope .....                     | 13,195         | 426           | 129,517              | 426           |
| Arizona .....                         | 1              | 0             | 5                    | 0             |
| California .....                      | 10,298         | 332           | 102,528              | 337           |
| Nevada .....                          | 18             | 1             | 190                  | 1             |
| Federal Offshore PAD District 5 ..... | 212            | 7             | 2,198                | 7             |
| <b>U.S. Total</b> .....               | <b>383,822</b> | <b>12,381</b> | <b>3,588,917</b>     | <b>11,806</b> |

— = No Data Reported.

Note: Year-to-date totals include revised monthly production estimates by state published in Petroleum Navigator. Crude oil production quantities are estimated by state and summed to the PADD and the U.S. level. State production estimates reported by EIA are normally different from data reported by state agencies. For example, production estimates for Texas reported on table 26 are different from production reported by the Railroad Commission of Texas. See EIA "Today In Energy" article released on July 10, 2015 (<http://www.eia.gov/todayinenergy/detail.cfm?id=22012>) for an explanation of differences in production data for Texas. Totals may not equal sum of components due to independent rounding.

Data source: Energy Information Administration Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," state government agencies, U.S. Department of the Interior, and the Bureau of Ocean Energy Management.

**Table 27. Natural Gas Plant Net Production and Stocks of Petroleum Products by PAD and Refining Districts, October 2022**  
(Thousand Barrels)

| Commodity                     | Production                  |                   |        |                             |                                              |                            |        |
|-------------------------------|-----------------------------|-------------------|--------|-----------------------------|----------------------------------------------|----------------------------|--------|
|                               | PAD District 1 - East Coast |                   |        | PAD District 2 - Midwest    |                                              |                            |        |
|                               | East Coast                  | Appalachian No. 1 | Total  | Indiana, Illinois, Kentucky | Minnesota, Wisconsin, North and South Dakota | Oklahoma, Kansas, Missouri | Total  |
| Hydrocarbon Gas Liquids ..... | 9                           | 20,572            | 20,581 | 5,099                       | 13,562                                       | 14,484                     | 33,145 |
| Natural Gas Liquids .....     | 9                           | 20,572            | 20,581 | 5,099                       | 13,562                                       | 14,484                     | 33,145 |
| Ethane .....                  | —                           | 8,893             | 8,893  | 1,712                       | 3,965                                        | 4,735                      | 10,412 |
| Propane .....                 | 3                           | 6,804             | 6,807  | 2,137                       | 4,917                                        | 5,119                      | 12,173 |
| Normal Butane .....           | 6                           | 2,021             | 2,027  | 358                         | 2,091                                        | 1,506                      | 3,955  |
| Isobutane .....               | —                           | 964               | 964    | 557                         | 668                                          | 1,139                      | 2,364  |
| Natural Gasoline .....        | —                           | 1,890             | 1,890  | 335                         | 1,921                                        | 1,985                      | 4,241  |

| Commodity                     | Production                  |                  |                      |                           |            |         |                                 |                             |            |
|-------------------------------|-----------------------------|------------------|----------------------|---------------------------|------------|---------|---------------------------------|-----------------------------|------------|
|                               | PAD District 3 - Gulf Coast |                  |                      |                           |            |         | PAD District 4 - Rocky Mountain | PAD District 5 - West Coast | U.S. Total |
|                               | Texas Inland                | Texas Gulf Coast | Louisiana Gulf Coast | North Louisiana, Arkansas | New Mexico | Total   |                                 |                             |            |
| Hydrocarbon Gas Liquids ..... | 95,362                      | 5,233            | 4,786                | 459                       | 11,064     | 116,904 | 17,006                          | 2,037                       | 189,673    |
| Natural Gas Liquids .....     | 95,362                      | 5,233            | 4,786                | 459                       | 11,064     | 116,904 | 17,006                          | 2,037                       | 189,673    |
| Ethane .....                  | 42,480                      | 2,628            | 1,690                | 84                        | 4,271      | 51,153  | 5,341                           | —                           | 75,799     |
| Propane .....                 | 28,324                      | 1,361            | 1,682                | 133                       | 3,581      | 35,081  | 5,890                           | 243                         | 60,194     |
| Normal Butane .....           | 9,671                       | -3,413           | 518                  | 62                        | 1,217      | 8,055   | 2,336                           | 588                         | 16,961     |
| Isobutane .....               | 4,982                       | 4,194            | 388                  | 49                        | 688        | 10,301  | 1,042                           | 185                         | 14,856     |
| Natural Gasoline .....        | 9,905                       | 463              | 508                  | 131                       | 1,307      | 12,314  | 2,397                           | 1,021                       | 21,863     |

| Commodity                     | Stocks                      |                   |       |                             |                                              |                            |       |
|-------------------------------|-----------------------------|-------------------|-------|-----------------------------|----------------------------------------------|----------------------------|-------|
|                               | PAD District 1 - East Coast |                   |       | PAD District 2 - Midwest    |                                              |                            |       |
|                               | East Coast                  | Appalachian No. 1 | Total | Indiana, Illinois, Kentucky | Minnesota, Wisconsin, North and South Dakota | Oklahoma, Kansas, Missouri | Total |
| Hydrocarbon Gas Liquids ..... | 4                           | 226               | 230   | 961                         | 124                                          | 380                        | 1,465 |
| Natural Gas Liquids .....     | 4                           | 226               | 230   | 961                         | 124                                          | 380                        | 1,465 |
| Ethane .....                  | —                           | —                 | —     | 33                          | 2                                            | 111                        | 146   |
| Propane .....                 | 2                           | 106               | 108   | 613                         | 54                                           | 125                        | 792   |
| Normal Butane .....           | 2                           | 42                | 44    | 95                          | 23                                           | 64                         | 182   |
| Isobutane .....               | —                           | 17                | 17    | 82                          | 6                                            | 33                         | 121   |
| Natural Gasoline .....        | —                           | 61                | 61    | 138                         | 39                                           | 47                         | 224   |

| Commodity                     | Stocks                      |                  |                      |                           |            |       |                                 |                             |            |
|-------------------------------|-----------------------------|------------------|----------------------|---------------------------|------------|-------|---------------------------------|-----------------------------|------------|
|                               | PAD District 3 - Gulf Coast |                  |                      |                           |            |       | PAD District 4 - Rocky Mountain | PAD District 5 - West Coast | U.S. Total |
|                               | Texas Inland                | Texas Gulf Coast | Louisiana Gulf Coast | North Louisiana, Arkansas | New Mexico | Total |                                 |                             |            |
| Hydrocarbon Gas Liquids ..... | 206                         | 338              | 668                  | 8                         | 1          | 1,221 | 182                             | 600                         | 3,698      |
| Natural Gas Liquids .....     | 206                         | 338              | 668                  | 8                         | 1          | 1,221 | 182                             | 600                         | 3,698      |
| Ethane .....                  | 9                           | 19               | —                    | —                         | —          | 28    | 4                               | —                           | 178        |
| Propane .....                 | 70                          | 42               | 50                   | 4                         | —          | 166   | 86                              | 159                         | 1,311      |
| Normal Butane .....           | 31                          | 29               | 373                  | 3                         | —          | 436   | 30                              | 379                         | 1,071      |
| Isobutane .....               | 67                          | 13               | 180                  | —                         | —          | 260   | 16                              | 33                          | 447        |
| Natural Gasoline .....        | 29                          | 235              | 65                   | 1                         | 1          | 331   | 46                              | 29                          | 691        |

— = No Data Reported.  
 Note: Refer to Appendix A for Refining District descriptions.  
 Data source: Energy Information Administration (EIA) Form EIA-816, "Monthly Natural Gas Liquids Report."

**Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, October 2022**  
(Thousand Barrels)

| Commodity                                    | PAD District 1 - East Coast |                   |                | PAD District 2 - Midwest    |                                              |                            |                |
|----------------------------------------------|-----------------------------|-------------------|----------------|-----------------------------|----------------------------------------------|----------------------------|----------------|
|                                              | East Coast                  | Appalachian No. 1 | Total          | Indiana, Illinois, Kentucky | Minnesota, Wisconsin, North and South Dakota | Oklahoma, Kansas, Missouri | Total          |
| <b>Crude Oil</b> .....                       | <b>21,035</b>               | <b>3,108</b>      | <b>24,143</b>  | <b>73,650</b>               | <b>16,427</b>                                | <b>28,279</b>              | <b>118,356</b> |
| <b>Hydrocarbon Gas Liquids</b> .....         | <b>2,471</b>                | <b>-</b>          | <b>2,471</b>   | <b>2,029</b>                | <b>258</b>                                   | <b>1,477</b>               | <b>3,764</b>   |
| Natural Gas Liquids .....                    | 2,471                       | -                 | 2,471          | 2,029                       | 258                                          | 1,477                      | 3,764          |
| Normal Butane .....                          | 1,896                       | -                 | 1,896          | 548                         | 136                                          | 458                        | 1,142          |
| Isobutane .....                              | 151                         | -                 | 151            | 1,467                       | 86                                           | 504                        | 2,057          |
| Natural Gasoline .....                       | 424                         | -                 | 424            | 14                          | 36                                           | 515                        | 565            |
| <b>Other Liquids</b> .....                   | <b>80,340</b>               | <b>5,901</b>      | <b>86,241</b>  | <b>9,564</b>                | <b>2,352</b>                                 | <b>1,263</b>               | <b>13,179</b>  |
| Hydrogen/Biofuels/Other Hydrocarbons .....   | 9,771                       | 802               | 10,573         | 5,574                       | 1,514                                        | 2,022                      | 9,110          |
| Hydrogen .....                               | 78                          | -                 | 78             | 604                         | 296                                          | 189                        | 1,089          |
| Biofuels (including Fuel Ethanol) .....      | 9,693                       | 802               | 10,495         | 4,946                       | 1,218                                        | 1,833                      | 7,997          |
| Fuel Ethanol .....                           | 9,409                       | 709               | 10,118         | 4,789                       | 1,126                                        | 1,693                      | 7,608          |
| Biodiesel .....                              | 284                         | 93                | 377            | 157                         | 92                                           | 77                         | 326            |
| Renewable Diesel Fuel .....                  | -                           | -                 | -              | -                           | -                                            | -                          | -              |
| Other Biofuels <sup>1</sup> .....            | -                           | -                 | -              | -                           | -                                            | 63                         | 63             |
| Other Hydrocarbons .....                     | -                           | -                 | -              | 24                          | -                                            | -                          | 24             |
| Unfinished Oils (net) .....                  | 1,065                       | -100              | 965            | -2,031                      | 20                                           | -637                       | -2,648         |
| Naphthas and Lighter .....                   | -250                        | -47               | -297           | -146                        | 26                                           | -145                       | -265           |
| Kerosene and Light Gas Oils .....            | -85                         | -                 | -85            | -406                        | 35                                           | -90                        | -461           |
| Heavy Gas Oils .....                         | 804                         | -47               | 757            | -973                        | -41                                          | -160                       | -1,174         |
| Residuum .....                               | 596                         | -6                | 590            | -506                        | -                                            | -242                       | -748           |
| Motor Gasoline Blend.Comp. (MGBC)(net) ..... | 69,504                      | 5,199             | 74,703         | 6,021                       | 818                                          | -122                       | 6,717          |
| Reformulated - RBOB .....                    | 14,783                      | -                 | 14,783         | 223                         | 983                                          | 997                        | 2,203          |
| Conventional .....                           | 54,721                      | 5,199             | 59,920         | 5,798                       | -165                                         | -1,119                     | 4,514          |
| CBOB .....                                   | 44,548                      | 5,167             | 49,715         | 6,729                       | -211                                         | -817                       | 5,701          |
| GTAB .....                                   | 2,618                       | -                 | 2,618          | -                           | -                                            | -                          | -              |
| Other .....                                  | 7,555                       | 32                | 7,587          | -931                        | 46                                           | -302                       | -1,187         |
| Aviation Gasoline Blend. Comp. (net) .....   | -                           | -                 | -              | -                           | -                                            | -                          | -              |
| <b>Total Input</b> .....                     | <b>103,846</b>              | <b>9,009</b>      | <b>112,855</b> | <b>85,243</b>               | <b>19,037</b>                                | <b>31,019</b>              | <b>135,299</b> |

See footnotes at end of table.



**Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, October 2022**  
(Thousand Barrels) — Continued

| Commodity                                    | PAD District 3 - Gulf Coast |                  |                      |                           |              |                | PAD District 4 - Rocky Mountain | PAD District 5 - West Coast | U.S. Total     |
|----------------------------------------------|-----------------------------|------------------|----------------------|---------------------------|--------------|----------------|---------------------------------|-----------------------------|----------------|
|                                              | Texas Inland                | Texas Gulf Coast | Louisiana Gulf Coast | North Louisiana, Arkansas | New Mexico   | Total          |                                 |                             |                |
| <b>Crude Oil</b> .....                       | <b>20,138</b>               | <b>141,640</b>   | <b>88,820</b>        | <b>8,200</b>              | <b>2,824</b> | <b>261,622</b> | <b>18,683</b>                   | <b>64,486</b>               | <b>487,290</b> |
| <b>Hydrocarbon Gas Liquids</b> .....         | <b>731</b>                  | <b>7,930</b>     | <b>3,403</b>         | <b>128</b>                | <b>106</b>   | <b>12,298</b>  | <b>618</b>                      | <b>2,599</b>                | <b>21,750</b>  |
| Natural Gas Liquids .....                    | 731                         | 7,930            | 3,403                | 128                       | 106          | 12,298         | 618                             | 2,599                       | 21,750         |
| Normal Butane .....                          | 365                         | 2,745            | 1,512                | 63                        | —            | 4,685          | 243                             | 1,105                       | 9,071          |
| Isobutane .....                              | 327                         | 2,570            | 1,212                | 62                        | 106          | 4,277          | 156                             | 537                         | 7,178          |
| Natural Gasoline .....                       | 39                          | 2,615            | 679                  | 3                         | —            | 3,336          | 219                             | 957                         | 5,501          |
| <b>Other Liquids</b> .....                   | <b>10,075</b>               | <b>-47,855</b>   | <b>-25,894</b>       | <b>6,673</b>              | <b>-13</b>   | <b>-57,014</b> | <b>1,230</b>                    | <b>12,296</b>               | <b>55,932</b>  |
| Hydrogen/Biofuels/Other Hydrocarbons .....   | 2,260                       | 3,229            | 2,125                | 1,088                     | 190          | 8,892          | 1,154                           | 6,863                       | 36,592         |
| Hydrogen .....                               | 96                          | 2,232            | 1,553                | 64                        | 23           | 3,968          | 172                             | 1,440                       | 6,747          |
| Biofuels (including Fuel Ethanol) .....      | 2,164                       | 997              | 572                  | 1,024                     | 167          | 4,924          | 982                             | 5,423                       | 29,821         |
| Fuel Ethanol .....                           | 2,117                       | 864              | 495                  | 1,009                     | 147          | 4,632          | 948                             | 4,610                       | 27,916         |
| Biodiesel .....                              | 47                          | 98               | 40                   | 15                        | 13           | 213            | 28                              | 399                         | 1,343          |
| Renewable Diesel Fuel .....                  | —                           | —                | —                    | —                         | —            | —              | —                               | 412                         | 412            |
| Other Biofuels <sup>1</sup> .....            | —                           | 35               | 37                   | —                         | 7            | 79             | 6                               | 2                           | 150            |
| Other Hydrocarbons .....                     | —                           | —                | —                    | —                         | —            | —              | —                               | —                           | 24             |
| Unfinished Oils (net) .....                  | 457                         | -4,391           | 7,509                | -86                       | -91          | 3,398          | -67                             | 2,818                       | 4,466          |
| Naphthas and Lighter .....                   | 228                         | -5,600           | 839                  | 4                         | -19          | -4,548         | -50                             | 80                          | -5,080         |
| Kerosene and Light Gas Oils .....            | 187                         | -1,962           | -63                  | -89                       | -5           | -1,932         | 8                               | -138                        | -2,608         |
| Heavy Gas Oils .....                         | -83                         | 1,129            | 5,528                | 70                        | -67          | 6,577          | 105                             | 2,343                       | 8,608          |
| Residuum .....                               | 125                         | 2,042            | 1,205                | -71                       | —            | 3,301          | -130                            | 533                         | 3,546          |
| Motor Gasoline Blend.Comp. (MGBC)(net) ..... | 7,339                       | -46,693          | -35,529              | 5,671                     | -112         | -69,324        | 143                             | 2,615                       | 14,854         |
| Reformulated - RBOB .....                    | 5,814                       | -9,024           | -1,827               | 6                         | -576         | -5,607         | —                               | 1,214                       | 12,593         |
| Conventional .....                           | 1,525                       | -37,669          | -33,702              | 5,665                     | 464          | -63,717        | 143                             | 1,401                       | 2,261          |
| CBOB .....                                   | 1,389                       | -32,320          | -31,582              | 5,683                     | 422          | -56,408        | 181                             | 1,223                       | 412            |
| GTAB .....                                   | —                           | —                | —                    | —                         | —            | —              | —                               | —                           | 2,618          |
| Other .....                                  | 136                         | -5,349           | -2,120               | -18                       | 42           | -7,309         | -38                             | 178                         | -769           |
| Aviation Gasoline Blend. Comp. (net) .....   | 19                          | —                | 1                    | —                         | —            | 20             | —                               | —                           | 20             |
| <b>Total Input</b> .....                     | <b>30,944</b>               | <b>101,715</b>   | <b>66,329</b>        | <b>15,001</b>             | <b>2,917</b> | <b>216,906</b> | <b>20,531</b>                   | <b>79,381</b>               | <b>564,972</b> |

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal Report."

**Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, October 2022**  
(Thousand Barrels)

| Commodity                                        | PAD District 1 - East Coast |                   |                | PAD District 2 - Midwest    |                                              |                            |                |
|--------------------------------------------------|-----------------------------|-------------------|----------------|-----------------------------|----------------------------------------------|----------------------------|----------------|
|                                                  | East Coast                  | Appalachian No. 1 | Total          | Indiana, Illinois, Kentucky | Minnesota, Wisconsin, North and South Dakota | Oklahoma, Kansas, Missouri | Total          |
| Hydrocarbon Gas Liquids .....                    | 553                         | -13               | 540            | 1,044                       | 102                                          | 518                        | 1,664          |
| Natural Gas Liquids .....                        | 76                          | -13               | 63             | 357                         | -38                                          | 313                        | 632            |
| Ethane .....                                     | -                           | -                 | -              | -                           | -                                            | -                          | -              |
| Propane .....                                    | 408                         | 25                | 433            | 1,525                       | 294                                          | 482                        | 2,301          |
| Normal Butane .....                              | -320                        | -21               | -341           | -1,001                      | -298                                         | -154                       | -1,453         |
| Isobutane .....                                  | -12                         | -17               | -29            | -167                        | -34                                          | -15                        | -216           |
| Natural Gasoline .....                           | -                           | -                 | -              | -                           | -                                            | -                          | -              |
| Refinery Olefins .....                           | 477                         | -                 | 477            | 687                         | 140                                          | 205                        | 1,032          |
| Ethylene .....                                   | 15                          | -                 | 15             | -                           | -                                            | -                          | -              |
| Propylene .....                                  | 402                         | -                 | 402            | 630                         | 140                                          | 205                        | 975            |
| Normal Butylene .....                            | 1                           | -                 | 1              | 57                          | -                                            | -                          | 57             |
| Isobutylene .....                                | 59                          | -                 | 59             | -                           | -                                            | -                          | -              |
| Finished Motor Gasoline .....                    | 92,068                      | 7,080             | 99,148         | 49,485                      | 10,890                                       | 17,018                     | 77,393         |
| Reformulated .....                               | 36,359                      | 67                | 36,426         | 7,941                       | 1,381                                        | 1,108                      | 10,430         |
| Reformulated Blended with Fuel Ethanol .....     | 36,358                      | 67                | 36,425         | 7,941                       | 1,380                                        | 1,108                      | 10,429         |
| Reformulated Other .....                         | 1                           | -                 | 1              | -                           | 1                                            | -                          | 1              |
| Conventional .....                               | 55,709                      | 7,013             | 62,722         | 41,544                      | 9,509                                        | 15,910                     | 66,963         |
| Conventional Blended with Fuel Ethanol .....     | 56,430                      | 7,005             | 63,435         | 39,182                      | 9,391                                        | 14,594                     | 63,167         |
| Ed55 and Lower .....                             | 56,350                      | 7,005             | 63,355         | 39,149                      | 9,336                                        | 14,428                     | 62,913         |
| Greater than Ed55 .....                          | 80                          | -                 | 80             | 33                          | 55                                           | 166                        | 254            |
| Conventional Other .....                         | -721                        | 8                 | -713           | 2,362                       | 118                                          | 1,316                      | 3,796          |
| Finished Aviation Gasoline .....                 | -                           | -                 | -              | -                           | 24                                           | -                          | 24             |
| Kerosene-Type Jet Fuel .....                     | 2,886                       | -                 | 2,886          | 6,567                       | 746                                          | 955                        | 8,268          |
| Kerosene .....                                   | 144                         | 7                 | 151            | 42                          | -                                            | 52                         | 94             |
| Distillate Fuel Oil .....                        | 6,132                       | 886               | 7,018          | 20,438                      | 5,961                                        | 11,106                     | 37,505         |
| 15 ppm sulfur and under .....                    | 6,188                       | 827               | 7,015          | 20,465                      | 6,031                                        | 11,267                     | 37,763         |
| Greater than 15 ppm to 500 ppm sulfur .....      | 30                          | -                 | 30             | -                           | -                                            | 190                        | 190            |
| Greater than 500 ppm sulfur .....                | -86                         | 59                | -27            | -27                         | -70                                          | -351                       | -448           |
| Residual Fuel Oil .....                          | 1,229                       | 8                 | 1,237          | 834                         | 180                                          | 156                        | 1,170          |
| Less than 0.31 percent sulfur .....              | -7                          | 7                 | 0              | 66                          | -                                            | -                          | 66             |
| 0.31 to 1.00 percent sulfur .....                | 1,032                       | 1                 | 1,033          | 336                         | 83                                           | 37                         | 456            |
| Greater than 1.00 percent sulfur .....           | 204                         | -                 | 204            | 432                         | 97                                           | 119                        | 648            |
| Petrochemical Feedstocks .....                   | -                           | -                 | -              | 821                         | -                                            | -                          | 821            |
| Naphtha for Petro. Feed. Use .....               | -                           | -                 | -              | 493                         | -                                            | -                          | 493            |
| Other Oils for Petro. Feed. Use .....            | -                           | -                 | -              | 328                         | -                                            | -                          | 328            |
| Special Naphthas .....                           | -                           | 8                 | 8              | -60                         | -                                            | 14                         | -46            |
| Lubricants .....                                 | 201                         | 205               | 406            | -                           | -                                            | 203                        | 203            |
| Waxes .....                                      | -                           | -15               | -15            | -                           | -                                            | 16                         | 16             |
| Petroleum Coke .....                             | 726                         | 21                | 747            | 3,549                       | 960                                          | 980                        | 5,489          |
| Marketable .....                                 | 278                         | -                 | 278            | 2,596                       | 790                                          | 716                        | 4,102          |
| Catalyst .....                                   | 448                         | 21                | 469            | 953                         | 170                                          | 264                        | 1,387          |
| Asphalt and Road Oil .....                       | 491                         | 733               | 1,224          | 3,754                       | 960                                          | 326                        | 5,040          |
| Still Gas .....                                  | 791                         | 40                | 831            | 2,600                       | 638                                          | 1,104                      | 4,342          |
| Miscellaneous Products .....                     | 57                          | 36                | 93             | 267                         | 122                                          | 55                         | 444            |
| <b>Total .....</b>                               | <b>105,278</b>              | <b>8,996</b>      | <b>114,274</b> | <b>89,341</b>               | <b>20,583</b>                                | <b>32,503</b>              | <b>142,427</b> |
| Processing Gain(-) or Loss(+) <sup>1</sup> ..... | -1,432                      | 13                | -1,419         | -4,098                      | -1,546                                       | -1,484                     | -7,128         |

See footnotes at end of table.

**Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, October 2022**  
(Thousand Barrels) — Continued

| Commodity                                        | PAD District 3 - Gulf Coast |                  |                      |                           |              |                | PAD District 4 - Rocky Mountain | PAD District 5 - West Coast | U.S. Total     |
|--------------------------------------------------|-----------------------------|------------------|----------------------|---------------------------|--------------|----------------|---------------------------------|-----------------------------|----------------|
|                                                  | Texas Inland                | Texas Gulf Coast | Louisiana Gulf Coast | North Louisiana, Arkansas | New Mexico   | Total          |                                 |                             |                |
| Hydrocarbon Gas Liquids .....                    | 484                         | 5,619            | 3,988                | -10                       | -1           | 10,080         | 195                             | 67                          | 12,546         |
| Natural Gas Liquids .....                        | 170                         | 2,657            | 2,124                | -16                       | -1           | 4,934          | 107                             | 33                          | 5,769          |
| Ethane .....                                     | 4                           | 120              | 34                   | —                         | —            | 158            | —                               | —                           | 158            |
| Propane .....                                    | 288                         | 2,431            | 1,865                | 26                        | 27           | 4,637          | 224                             | 901                         | 8,496          |
| Normal Butane .....                              | -131                        | 464              | 125                  | -42                       | -28          | 388            | -121                            | -831                        | -2,358         |
| Isobutane .....                                  | 9                           | -358             | 100                  | —                         | —            | -249           | 4                               | -37                         | -527           |
| Natural Gasoline .....                           | —                           | —                | —                    | —                         | —            | —              | —                               | —                           | —              |
| Refinery Olefins .....                           | 314                         | 2,962            | 1,864                | 6                         | —            | 5,146          | 88                              | 34                          | 6,777          |
| Ethylene .....                                   | —                           | 5                | —                    | —                         | —            | 5              | —                               | —                           | 20             |
| Propylene .....                                  | 295                         | 3,316            | 1,845                | 6                         | —            | 5,462          | 28                              | 66                          | 6,933          |
| Normal Butylene .....                            | 19                          | -359             | 19                   | —                         | —            | -321           | 60                              | -32                         | -235           |
| Isobutylene .....                                | —                           | —                | —                    | —                         | —            | —              | —                               | —                           | 59             |
| Finished Motor Gasoline .....                    | 21,167                      | 24,077           | 10,567               | 9,518                     | 1,655        | 66,984         | 11,007                          | 44,737                      | 299,269        |
| Reformulated .....                               | 7,543                       | 7,008            | —                    | —                         | —            | 14,551         | —                               | 31,473                      | 92,880         |
| Reformulated Blended with Fuel Ethanol .....     | 7,541                       | 7,006            | —                    | —                         | —            | 14,547         | —                               | 31,473                      | 92,874         |
| Reformulated Other .....                         | 2                           | 2                | —                    | —                         | —            | 4              | —                               | —                           | 6              |
| Conventional .....                               | 13,624                      | 17,069           | 10,567               | 9,518                     | 1,655        | 52,433         | 11,007                          | 13,264                      | 206,389        |
| Conventional Blended with Fuel Ethanol .....     | 13,434                      | 1,476            | 4,924                | 9,919                     | 1,516        | 31,269         | 9,408                           | 14,041                      | 181,320        |
| Ed55 and Lower .....                             | 13,423                      | 1,475            | 4,924                | 9,893                     | 1,515        | 31,230         | 9,378                           | 14,031                      | 180,907        |
| Greater than Ed55 .....                          | 11                          | 1                | —                    | 26                        | 1            | 39             | 30                              | 10                          | 413            |
| Conventional Other .....                         | 190                         | 15,593           | 5,643                | -401                      | 139          | 21,164         | 1,599                           | -777                        | 25,069         |
| Finished Aviation Gasoline .....                 | 117                         | 78               | 98                   | —                         | —            | 293            | 4                               | 82                          | 403            |
| Kerosene-Type Jet Fuel .....                     | 1,492                       | 13,179           | 8,879                | 87                        | 0            | 23,637         | 1,105                           | 12,707                      | 48,603         |
| Kerosene .....                                   | 6                           | 282              | -68                  | 32                        | —            | 252            | —                               | 12                          | 509            |
| Distillate Fuel Oil .....                        | 6,659                       | 45,824           | 35,079               | 2,991                     | 1,036        | 91,589         | 6,224                           | 15,059                      | 157,395        |
| 15 ppm sulfur and under .....                    | 6,709                       | 44,001           | 31,662               | 2,965                     | 1,036        | 86,373         | 6,186                           | 14,139                      | 151,476        |
| Greater than 15 ppm to 500 ppm sulfur .....      | -50                         | 319              | 1,646                | 41                        | —            | 1,956          | 48                              | 409                         | 2,633          |
| Greater than 500 ppm sulfur .....                | —                           | 1,504            | 1,771                | -15                       | —            | 3,260          | -10                             | 511                         | 3,286          |
| Residual Fuel Oil .....                          | 292                         | 1,324            | 779                  | 13                        | 50           | 2,458          | 324                             | 2,659                       | 7,848          |
| Less than 0.31 percent sulfur .....              | 298                         | —                | 787                  | —                         | —            | 1,085          | 178                             | 58                          | 1,387          |
| 0.31 to 1.00 percent sulfur .....                | 1                           | 1,064            | 312                  | 13                        | —            | 1,390          | 23                              | 727                         | 3,629          |
| Greater than 1.00 percent sulfur .....           | -7                          | 260              | -320                 | —                         | 50           | -17            | 123                             | 1,874                       | 2,832          |
| Petrochemical Feedstocks .....                   | 114                         | 3,290            | 2,116                | —                         | —            | 5,520          | —                               | —                           | 6,341          |
| Naphtha for Petro. Feed. Use .....               | 112                         | 1,641            | 1,089                | —                         | —            | 2,842          | —                               | —                           | 3,335          |
| Other Oils for Petro. Feed. Use .....            | 2                           | 1,649            | 1,027                | —                         | —            | 2,678          | —                               | —                           | 3,006          |
| Special Naphthas .....                           | 60                          | 633              | —                    | 208                       | —            | 901            | —                               | 13                          | 876            |
| Lubricants .....                                 | 13                          | 976              | 1,468                | 861                       | —            | 3,318          | —                               | 487                         | 4,414          |
| Waxes .....                                      | —                           | 61               | 43                   | 25                        | —            | 129            | —                               | —                           | 130            |
| Petroleum Coke .....                             | 417                         | 7,842            | 5,039                | 187                       | 20           | 13,505         | 648                             | 4,005                       | 24,394         |
| Marketable .....                                 | 187                         | 6,129            | 4,118                | 168                       | —            | 10,602         | 421                             | 3,113                       | 18,516         |
| Catalyst .....                                   | 230                         | 1,713            | 921                  | 19                        | 20           | 2,903          | 227                             | 892                         | 5,878          |
| Asphalt and Road Oil .....                       | 172                         | 221              | 985                  | 1,181                     | 106          | 2,665          | 1,166                           | 915                         | 11,010         |
| Still Gas .....                                  | 783                         | 6,203            | 3,430                | 288                       | 80           | 10,784         | 628                             | 3,631                       | 20,216         |
| Miscellaneous Products .....                     | 120                         | 996              | 461                  | 21                        | 36           | 1,634          | 132                             | 385                         | 2,688          |
| <b>Total .....</b>                               | <b>31,896</b>               | <b>110,605</b>   | <b>72,864</b>        | <b>15,402</b>             | <b>2,982</b> | <b>233,749</b> | <b>21,433</b>                   | <b>84,759</b>               | <b>596,642</b> |
| Processing Gain(-) or Loss(+) <sup>1</sup> ..... | -952                        | -8,890           | -6,535               | -401                      | -65          | -16,843        | -902                            | -5,378                      | -31,670        |

— = No Data Reported.

<sup>1</sup> Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal Report."

**Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, October 2022**  
(Thousand Barrels, Except Where Noted)

| Commodity                                        | PAD District 1 - East Coast |                   |               | PAD District 2 - Midwest    |                                              |                            |                |
|--------------------------------------------------|-----------------------------|-------------------|---------------|-----------------------------|----------------------------------------------|----------------------------|----------------|
|                                                  | East Coast                  | Appalachian No. 1 | Total         | Indiana, Illinois, Kentucky | Minnesota, Wisconsin, North and South Dakota | Oklahoma, Kansas, Missouri | Total          |
| <b>Crude Oil</b>                                 | <b>21,035</b>               | <b>3,108</b>      | <b>24,143</b> | <b>73,650</b>               | <b>16,427</b>                                | <b>28,279</b>              | <b>118,356</b> |
| <b>Hydrocarbon Gas Liquids</b>                   | <b>446</b>                  | <b>—</b>          | <b>446</b>    | <b>1,954</b>                | <b>86</b>                                    | <b>871</b>                 | <b>2,911</b>   |
| Natural Gas Liquids                              | 446                         | —                 | 446           | 1,954                       | 86                                           | 871                        | 2,911          |
| Normal Butane                                    | 295                         | —                 | 295           | 481                         | —                                            | 9                          | 490            |
| Isobutane                                        | 151                         | —                 | 151           | 1,467                       | 86                                           | 504                        | 2,057          |
| Natural Gasoline                                 | —                           | —                 | —             | 6                           | —                                            | 358                        | 364            |
| <b>Other Liquids</b>                             | <b>-9,298</b>               | <b>89</b>         | <b>-9,209</b> | <b>-35,245</b>              | <b>-6,295</b>                                | <b>-12,248</b>             | <b>-53,788</b> |
| Hydrogen/Biofuels/Other Hydrocarbons             | 148                         | 161               | 309           | 843                         | 493                                          | 430                        | 1,766          |
| Hydrogen                                         | 78                          | —                 | 78            | 604                         | 296                                          | 189                        | 1,089          |
| Biofuels (including Fuel Ethanol)                | 70                          | 161               | 231           | 215                         | 197                                          | 241                        | 653            |
| Fuel Ethanol                                     | 70                          | 132               | 202           | 172                         | 177                                          | 158                        | 507            |
| Biodiesel                                        | —                           | 29                | 29            | 43                          | 20                                           | 20                         | 83             |
| Renewable Diesel Fuel                            | —                           | —                 | —             | —                           | —                                            | —                          | —              |
| Other Biofuels <sup>1</sup>                      | —                           | —                 | —             | —                           | —                                            | 63                         | 63             |
| Other Hydrocarbons                               | —                           | —                 | —             | 24                          | —                                            | —                          | 24             |
| Unfinished Oils (net)                            | 1,065                       | -100              | 965           | -2,034                      | 20                                           | -637                       | -2,651         |
| Naphthas and Lighter                             | -250                        | -47               | -297          | -146                        | 26                                           | -145                       | -265           |
| Kerosene and Light Gas Oils                      | -85                         | —                 | -85           | -406                        | 35                                           | -90                        | -461           |
| Heavy Gas Oils                                   | 804                         | -47               | 757           | -976                        | -41                                          | -160                       | -1,177         |
| Residuum                                         | 596                         | -6                | 590           | -506                        | —                                            | -242                       | -748           |
| Motor Gasoline Blend.Comp. (MGBC)(net)           | -10,511                     | 28                | -10,483       | -34,054                     | -6,808                                       | -12,041                    | -52,903        |
| Reformulated - RBOB                              | -6,773                      | —                 | -6,773        | -6,274                      | —                                            | —                          | -6,274         |
| Conventional                                     | -3,738                      | 28                | -3,710        | -27,780                     | -6,808                                       | -12,041                    | -46,629        |
| CBOB                                             | -3,433                      | -4                | -3,437        | -26,844                     | -6,754                                       | -11,739                    | -45,337        |
| GTAB                                             | —                           | —                 | —             | —                           | —                                            | —                          | —              |
| Other                                            | -305                        | 32                | -273          | -936                        | -54                                          | -302                       | -1,292         |
| Aviation Gasoline Blend. Comp. (net)             | —                           | —                 | —             | —                           | —                                            | —                          | —              |
| <b>Total Input to Refineries</b>                 | <b>12,183</b>               | <b>3,197</b>      | <b>15,380</b> | <b>40,359</b>               | <b>10,218</b>                                | <b>16,902</b>              | <b>67,479</b>  |
| <b>Atmospheric Crude Oil Distillation</b>        |                             |                   |               |                             |                                              |                            |                |
| Gross Input (daily average)                      | 696                         | 100               | 797           | 2,363                       | 549                                          | 911                        | 3,823          |
| Operable Capacity (daily average)                | 780                         | 98                | 878           | 2,721                       | 548                                          | 928                        | 4,197          |
| Operable Utilization Rate (percent) <sup>2</sup> | 89.4                        | 102.2             | 90.8          | 86.9                        | 100.1                                        | 98.2                       | 91.1           |
| <b>Downstream Processing</b>                     |                             |                   |               |                             |                                              |                            |                |
| <b>Fresh Feed Input (daily average)</b>          |                             |                   |               |                             |                                              |                            |                |
| Catalytic Reforming                              | 116                         | 15                | 132           | 407                         | 55                                           | 169                        | 631            |
| Catalytic Cracking                               | 250                         | 16                | 267           | 672                         | 142                                          | 218                        | 1,032          |
| Catalytic Hydrocracking                          | 38                          | —                 | 38            | 132                         | 66                                           | 45                         | 243            |
| Delayed and Fluid Coking                         | 39                          | —                 | 39            | 290                         | 79                                           | 87                         | 455            |
| <b>Crude Oil Qualities</b>                       |                             |                   |               |                             |                                              |                            |                |
| Sulfur Content, Weighted Average (percent)       | 1.00                        | 1.81              | 1.10          | 1.63                        | 1.74                                         | 0.59                       | 1.40           |
| API Gravity, Weighted Average (degrees)          | 35.99                       | 31.28             | 35.40         | 32.87                       | 28.57                                        | 39.47                      | 33.76          |
| <b>Operable Capacity (daily average)</b>         | <b>780</b>                  | <b>98</b>         | <b>878</b>    | <b>2,721</b>                | <b>548</b>                                   | <b>928</b>                 | <b>4,197</b>   |
| Operating                                        | 780                         | 98                | 878           | 2,570                       | 510                                          | 928                        | 4,008          |
| Idle                                             | —                           | —                 | —             | 151                         | 38                                           | —                          | 189            |
| <b>Alaskan Crude Oil Receipts</b>                | <b>—</b>                    | <b>—</b>          | <b>—</b>      | <b>—</b>                    | <b>—</b>                                     | <b>—</b>                   | <b>—</b>       |

See footnotes at end of table.

**Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, October 2022**  
(Thousand Barrels, Except Where Noted) — Continued

| Commodity                                        | PAD District 3 - Gulf Coast |                  |                      |                           |               |                | PAD District 4 - Rocky Mountain | PAD District 5 - West Coast | U.S. Total      |
|--------------------------------------------------|-----------------------------|------------------|----------------------|---------------------------|---------------|----------------|---------------------------------|-----------------------------|-----------------|
|                                                  | Texas Inland                | Texas Gulf Coast | Louisiana Gulf Coast | North Louisiana, Arkansas | New Mexico    | Total          |                                 |                             |                 |
| <b>Crude Oil</b>                                 | <b>20,138</b>               | <b>141,640</b>   | <b>88,820</b>        | <b>8,200</b>              | <b>2,824</b>  | <b>261,622</b> | <b>18,683</b>                   | <b>64,486</b>               | <b>487,290</b>  |
| <b>Hydrocarbon Gas Liquids</b>                   | <b>651</b>                  | <b>5,300</b>     | <b>3,126</b>         | <b>79</b>                 | <b>106</b>    | <b>9,262</b>   | <b>547</b>                      | <b>2,523</b>                | <b>15,689</b>   |
| Natural Gas Liquids                              | 651                         | 5,300            | 3,126                | 79                        | 106           | 9,262          | 547                             | 2,523                       | 15,689          |
| Normal Butane                                    | 296                         | 1,698            | 1,235                | 14                        | —             | 3,243          | 210                             | 1,029                       | 5,267           |
| Isobutane                                        | 327                         | 2,570            | 1,212                | 62                        | 106           | 4,277          | 154                             | 537                         | 7,176           |
| Natural Gasoline                                 | 28                          | 1,032            | 679                  | 3                         | —             | 1,742          | 183                             | 957                         | 3,246           |
| <b>Other Liquids</b>                             | <b>-8,584</b>               | <b>-56,170</b>   | <b>-28,536</b>       | <b>-2,184</b>             | <b>-1,420</b> | <b>-96,894</b> | <b>-4,856</b>                   | <b>-30,619</b>              | <b>-195,366</b> |
| Hydrogen/Biofuels/Other Hydrocarbons             | 325                         | 2,309            | 1,822                | 116                       | 40            | 4,612          | 476                             | 1,908                       | 9,071           |
| Hydrogen                                         | 96                          | 2,232            | 1,553                | 64                        | 23            | 3,968          | 172                             | 1,440                       | 6,747           |
| Biofuels (including Fuel Ethanol)                | 229                         | 77               | 269                  | 52                        | 17            | 644            | 304                             | 468                         | 2,300           |
| Fuel Ethanol                                     | 200                         | 44               | 192                  | 51                        | 5             | 492            | 280                             | 131                         | 1,612           |
| Biodiesel                                        | 29                          | 33               | 40                   | 1                         | 5             | 108            | 18                              | 14                          | 252             |
| Renewable Diesel Fuel                            | —                           | —                | —                    | —                         | —             | —              | —                               | 321                         | 321             |
| Other Biofuels <sup>1</sup>                      | —                           | —                | 37                   | —                         | 7             | 44             | 6                               | 2                           | 115             |
| Other Hydrocarbons                               | —                           | —                | —                    | —                         | —             | —              | —                               | —                           | 24              |
| Unfinished Oils (net)                            | 457                         | -4,391           | 7,609                | -86                       | -91           | 3,498          | -67                             | 2,818                       | 4,563           |
| Naphthas and Lighter                             | 228                         | -5,600           | 839                  | 4                         | -19           | -4,548         | -50                             | 80                          | -5,080          |
| Kerosene and Light Gas Oils                      | 187                         | -1,962           | 37                   | -89                       | -5            | -1,832         | 8                               | -138                        | -2,508          |
| Heavy Gas Oils                                   | -83                         | 1,129            | 5,528                | 70                        | -67           | 6,577          | 105                             | 2,343                       | 8,605           |
| Residuum                                         | 125                         | 2,042            | 1,205                | -71                       | —             | 3,301          | -130                            | 533                         | 3,546           |
| Motor Gasoline Blend.Comp. (MGBC)(net)           | -9,385                      | -54,088          | -37,968              | -2,214                    | -1,369        | -105,024       | -5,265                          | -35,345                     | -209,020        |
| Reformulated - RBOB                              | -997                        | -14,251          | -1,827               | —                         | -576          | -17,651        | —                               | -26,352                     | -57,050         |
| Conventional                                     | -8,388                      | -39,837          | -36,141              | -2,214                    | -793          | -87,373        | -5,265                          | -8,993                      | -151,970        |
| CBOB                                             | -8,524                      | -29,912          | -33,194              | -2,196                    | -802          | -74,628        | -5,226                          | -9,046                      | -137,674        |
| GTAB                                             | —                           | —                | —                    | —                         | —             | —              | —                               | —                           | —               |
| Other                                            | 136                         | -9,925           | -2,947               | -18                       | 9             | -12,745        | -39                             | 53                          | -14,296         |
| Aviation Gasoline Blend. Comp. (net)             | 19                          | —                | 1                    | —                         | —             | 20             | —                               | —                           | 20              |
| <b>Total Input to Refineries</b>                 | <b>12,205</b>               | <b>90,770</b>    | <b>63,410</b>        | <b>6,095</b>              | <b>1,510</b>  | <b>173,990</b> | <b>14,374</b>                   | <b>36,390</b>               | <b>307,613</b>  |
| <b>Atmospheric Crude Oil Distillation</b>        |                             |                  |                      |                           |               |                |                                 |                             |                 |
| Gross Input (daily average)                      | 656                         | 4,713            | 3,098                | 236                       | 91            | 8,794          | 598                             | 2,255                       | 16,266          |
| Operable Capacity (daily average)                | 746                         | 5,224            | 3,288                | 260                       | 110           | 9,628          | 663                             | 2,650                       | 18,015          |
| Operable Utilization Rate (percent) <sup>2</sup> | 88.0                        | 90.2             | 94.2                 | 90.7                      | 82.8          | 91.3           | 90.1                            | 85.1                        | 90.3            |
| <b>Downstream Processing</b>                     |                             |                  |                      |                           |               |                |                                 |                             |                 |
| <b>Fresh Feed Input (daily average)</b>          |                             |                  |                      |                           |               |                |                                 |                             |                 |
| Catalytic Reforming                              | 154                         | 735              | 538                  | 41                        | 20            | 1,488          | 101                             | 367                         | 2,718           |
| Catalytic Cracking                               | 160                         | 1,254            | 703                  | 20                        | 22            | 2,159          | 169                             | 584                         | 4,212           |
| Catalytic Hydrocracking                          | 52                          | 526              | 454                  | 20                        | 11            | 1,063          | 17                              | 460                         | 1,821           |
| Delayed and Fluid Coking                         | 25                          | 762              | 455                  | 33                        | —             | 1,276          | 52                              | 393                         | 2,214           |
| <b>Crude Oil Qualities</b>                       |                             |                  |                      |                           |               |                |                                 |                             |                 |
| Sulfur Content, Weighted Average (percent)       | 0.52                        | 1.45             | 1.13                 | 1.43                      | 0.83          | 1.24           | 1.30                            | 1.25                        | 1.27            |
| API Gravity, Weighted Average (degrees)          | 40.52                       | 33.95            | 32.27                | 32.27                     | 39.24         | 34.07          | 33.01                           | 28.59                       | 33.25           |
| <b>Operable Capacity (daily average)</b>         | <b>746</b>                  | <b>5,224</b>     | <b>3,288</b>         | <b>260</b>                | <b>110</b>    | <b>9,628</b>   | <b>663</b>                      | <b>2,650</b>                | <b>18,015</b>   |
| Operating                                        | 746                         | 5,224            | 3,288                | 260                       | 110           | 9,628          | 654                             | 2,644                       | 17,811          |
| Idle                                             | —                           | —                | —                    | —                         | —             | —              | 10                              | 6                           | 204             |
| <b>Alaskan Crude Oil Receipts</b>                | —                           | —                | —                    | —                         | —             | —              | —                               | <b>13,451</b>               | <b>13,451</b>   |

— = Not Applicable.

— = No Data Reported.

NA = Not Available.

<sup>1</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

<sup>2</sup> Represents gross input divided by operable calendar day capacity.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Data source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."



**Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, October 2022**  
(Thousand Barrels)

| Commodity                                        | PAD District 1 - East Coast |                   |               | PAD District 2 - Midwest    |                                              |                            |               |
|--------------------------------------------------|-----------------------------|-------------------|---------------|-----------------------------|----------------------------------------------|----------------------------|---------------|
|                                                  | East Coast                  | Appalachian No. 1 | Total         | Indiana, Illinois, Kentucky | Minnesota, Wisconsin, North and South Dakota | Oklahoma, Kansas, Missouri | Total         |
| Hydrocarbon Gas Liquids .....                    | 553                         | -13               | 540           | 1,044                       | 102                                          | 518                        | 1,664         |
| Natural Gas Liquids .....                        | 76                          | -13               | 63            | 357                         | -38                                          | 313                        | 632           |
| Ethane .....                                     | -                           | -                 | -             | -                           | -                                            | -                          | -             |
| Propane .....                                    | 408                         | 25                | 433           | 1,525                       | 294                                          | 482                        | 2,301         |
| Normal Butane .....                              | -320                        | -21               | -341          | -1,001                      | -298                                         | -154                       | -1,453        |
| Isobutane .....                                  | -12                         | -17               | -29           | -167                        | -34                                          | -15                        | -216          |
| Natural Gasoline .....                           | -                           | -                 | -             | -                           | -                                            | -                          | -             |
| Refinery Olefins .....                           | 477                         | -                 | 477           | 687                         | 140                                          | 205                        | 1,032         |
| Ethylene .....                                   | 15                          | -                 | 15            | -                           | -                                            | -                          | -             |
| Propylene .....                                  | 402                         | -                 | 402           | 630                         | 140                                          | 205                        | 975           |
| Normal Butylene .....                            | 1                           | -                 | 1             | 57                          | -                                            | -                          | 57            |
| Isobutylene .....                                | 59                          | -                 | 59            | -                           | -                                            | -                          | -             |
| Finished Motor Gasoline .....                    | 684                         | 1,329             | 2,013         | 4,704                       | 2,140                                        | 2,959                      | 9,803         |
| Reformulated .....                               | 684                         | -                 | 684           | -                           | -                                            | -                          | -             |
| Reformulated Blended with Fuel Ethanol .....     | 684                         | -                 | 684           | -                           | -                                            | -                          | -             |
| Reformulated Other .....                         | -                           | -                 | -             | -                           | -                                            | -                          | -             |
| Conventional .....                               | -                           | 1,329             | 1,329         | 4,704                       | 2,140                                        | 2,959                      | 9,803         |
| Conventional Blended with Fuel Ethanol .....     | -                           | 1,319             | 1,319         | 1,762                       | 1,676                                        | 1,591                      | 5,029         |
| Ed55 and Lower .....                             | -                           | 1,319             | 1,319         | 1,762                       | 1,676                                        | 1,591                      | 5,029         |
| Greater than Ed55 .....                          | -                           | -                 | -             | -                           | -                                            | -                          | -             |
| Conventional Other .....                         | -                           | 10                | 10            | 2,942                       | 464                                          | 1,368                      | 4,774         |
| Finished Aviation Gasoline .....                 | -                           | -                 | -             | -                           | 24                                           | -                          | 24            |
| Kerosene-Type Jet Fuel .....                     | 2,886                       | -                 | 2,886         | 6,577                       | 748                                          | 955                        | 8,280         |
| Kerosene .....                                   | 144                         | 7                 | 151           | 60                          | -                                            | 52                         | 112           |
| Distillate Fuel Oil .....                        | 5,845                       | 825               | 6,670         | 20,311                      | 5,890                                        | 11,048                     | 37,249        |
| 15 ppm sulfur and under .....                    | 5,901                       | 766               | 6,667         | 20,338                      | 5,960                                        | 11,208                     | 37,506        |
| Greater than 15 ppm to 500 ppm sulfur .....      | 2                           | -                 | 2             | -                           | -                                            | 81                         | 81            |
| Greater than 500 ppm sulfur .....                | -58                         | 59                | 1             | -27                         | -70                                          | -241                       | -338          |
| Residual Fuel Oil .....                          | 1,236                       | 8                 | 1,244         | 834                         | 180                                          | 157                        | 1,171         |
| Less than 0.31 percent sulfur .....              | -                           | 7                 | 7             | 66                          | -                                            | -                          | 66            |
| 0.31 to 1.00 percent sulfur .....                | 1,033                       | 1                 | 1,034         | 336                         | 83                                           | 38                         | 457           |
| Greater than 1.00 percent sulfur .....           | 203                         | -                 | 203           | 432                         | 97                                           | 119                        | 648           |
| Petrochemical Feedstocks .....                   | -                           | -                 | -             | 821                         | -                                            | -                          | 821           |
| Naphtha for Petro. Feed. Use .....               | -                           | -                 | -             | 493                         | -                                            | -                          | 493           |
| Other Oils for Petro. Feed. Use .....            | -                           | -                 | -             | 328                         | -                                            | -                          | 328           |
| Special Naphthas .....                           | -                           | 8                 | 8             | -60                         | -                                            | 14                         | -46           |
| Lubricants .....                                 | 201                         | 205               | 406           | -                           | -                                            | 203                        | 203           |
| Waxes .....                                      | -                           | -15               | -15           | -                           | -                                            | 16                         | 16            |
| Petroleum Coke .....                             | 726                         | 21                | 747           | 3,549                       | 960                                          | 980                        | 5,489         |
| Marketable .....                                 | 278                         | -                 | 278           | 2,596                       | 790                                          | 716                        | 4,102         |
| Catalyst .....                                   | 448                         | 21                | 469           | 953                         | 170                                          | 264                        | 1,387         |
| Asphalt and Road Oil .....                       | 491                         | 733               | 1,224         | 3,751                       | 958                                          | 323                        | 5,032         |
| Still Gas .....                                  | 791                         | 40                | 831           | 2,600                       | 638                                          | 1,104                      | 4,342         |
| Miscellaneous Products .....                     | 57                          | 36                | 93            | 267                         | 122                                          | 55                         | 444           |
| <b>Total .....</b>                               | <b>13,614</b>               | <b>3,184</b>      | <b>16,798</b> | <b>44,458</b>               | <b>11,762</b>                                | <b>18,384</b>              | <b>74,604</b> |
| Processing Gain(-) or Loss(+) <sup>1</sup> ..... | -1,431                      | 13                | -1,418        | -4,099                      | -1,544                                       | -1,482                     | -7,125        |

See footnotes at end of table.

**Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, October 2022**  
(Thousand Barrels) — Continued

| Commodity                                        | PAD District 3 - Gulf Coast |                  |                      |                           |              |                | PAD District 4 - Rocky Mountain | PAD District 5 - West Coast | U.S. Total     |
|--------------------------------------------------|-----------------------------|------------------|----------------------|---------------------------|--------------|----------------|---------------------------------|-----------------------------|----------------|
|                                                  | Texas Inland                | Texas Gulf Coast | Louisiana Gulf Coast | North Louisiana, Arkansas | New Mexico   | Total          |                                 |                             |                |
| Hydrocarbon Gas Liquids .....                    | 484                         | 5,619            | 3,988                | -10                       | -1           | 10,080         | 195                             | 67                          | 12,546         |
| Natural Gas Liquids .....                        | 170                         | 2,657            | 2,124                | -16                       | -1           | 4,934          | 107                             | 33                          | 5,769          |
| Ethane .....                                     | 4                           | 120              | 34                   | —                         | —            | 158            | —                               | —                           | 158            |
| Propane .....                                    | 288                         | 2,431            | 1,865                | 26                        | 27           | 4,637          | 224                             | 901                         | 8,496          |
| Normal Butane .....                              | -131                        | 464              | 125                  | -42                       | -28          | 388            | -121                            | -831                        | -2,358         |
| Isobutane .....                                  | 9                           | -358             | 100                  | —                         | —            | -249           | 4                               | -37                         | -527           |
| Natural Gasoline .....                           | —                           | —                | —                    | —                         | —            | —              | —                               | —                           | —              |
| Refinery Olefins .....                           | 314                         | 2,962            | 1,864                | 6                         | —            | 5,146          | 88                              | 34                          | 6,777          |
| Ethylene .....                                   | —                           | 5                | —                    | —                         | —            | 5              | —                               | —                           | 20             |
| Propylene .....                                  | 295                         | 3,316            | 1,845                | 6                         | —            | 5,462          | 28                              | 66                          | 6,933          |
| Normal Butylene .....                            | 19                          | -359             | 19                   | —                         | —            | -321           | 60                              | -32                         | -235           |
| Isobutylene .....                                | —                           | —                | —                    | —                         | —            | —              | —                               | —                           | 59             |
| Finished Motor Gasoline .....                    | 2,444                       | 13,196           | 7,547                | 625                       | 257          | 24,069         | 4,860                           | 2,225                       | 42,970         |
| Reformulated .....                               | —                           | —                | —                    | —                         | —            | —              | —                               | 698                         | 1,382          |
| Reformulated Blended with Fuel Ethanol .....     | —                           | —                | —                    | —                         | —            | —              | —                               | 698                         | 1,382          |
| Reformulated Other .....                         | —                           | —                | —                    | —                         | —            | —              | —                               | —                           | —              |
| Conventional .....                               | 2,444                       | 13,196           | 7,547                | 625                       | 257          | 24,069         | 4,860                           | 1,527                       | 41,588         |
| Conventional Blended with Fuel Ethanol .....     | 2,006                       | 436              | 1,912                | 523                       | 57           | 4,934          | 2,830                           | 676                         | 14,788         |
| Ed55 and Lower .....                             | 2,006                       | 436              | 1,912                | 523                       | 57           | 4,934          | 2,830                           | 676                         | 14,788         |
| Greater than Ed55 .....                          | —                           | —                | —                    | —                         | —            | —              | —                               | —                           | —              |
| Conventional Other .....                         | 438                         | 12,760           | 5,635                | 102                       | 200          | 19,135         | 2,030                           | 851                         | 26,800         |
| Finished Aviation Gasoline .....                 | 117                         | 78               | 98                   | —                         | —            | 293            | 4                               | 82                          | 403            |
| Kerosene-Type Jet Fuel .....                     | 1,492                       | 13,144           | 8,879                | 87                        | —            | 23,602         | 1,039                           | 12,722                      | 48,529         |
| Kerosene .....                                   | 6                           | 317              | -68                  | 32                        | —            | 287            | —                               | 1                           | 551            |
| Distillate Fuel Oil .....                        | 6,642                       | 45,759           | 35,179               | 2,977                     | 1,027        | 91,584         | 6,279                           | 14,580                      | 156,362        |
| 15 ppm sulfur and under .....                    | 6,692                       | 43,936           | 31,662               | 2,951                     | 1,027        | 86,268         | 6,241                           | 13,666                      | 150,348        |
| Greater than 15 ppm to 500 ppm sulfur .....      | -50                         | 319              | 1,646                | 41                        | —            | 1,956          | 48                              | 409                         | 2,496          |
| Greater than 500 ppm sulfur .....                | —                           | 1,504            | 1,871                | -15                       | —            | 3,360          | -10                             | 505                         | 3,518          |
| Residual Fuel Oil .....                          | 292                         | 1,324            | 820                  | 13                        | 50           | 2,499          | 324                             | 2,659                       | 7,897          |
| Less than 0.31 percent sulfur .....              | 298                         | —                | 787                  | —                         | —            | 1,085          | 178                             | 58                          | 1,394          |
| 0.31 to 1.00 percent sulfur .....                | 1                           | 1,064            | 312                  | 13                        | —            | 1,390          | 23                              | 727                         | 3,631          |
| Greater than 1.00 percent sulfur .....           | -7                          | 260              | -279                 | —                         | 50           | 24             | 123                             | 1,874                       | 2,872          |
| Petrochemical Feedstocks .....                   | 114                         | 3,290            | 2,116                | —                         | —            | 5,520          | —                               | —                           | 6,341          |
| Naphtha for Petro. Feed. Use .....               | 112                         | 1,641            | 1,089                | —                         | —            | 2,842          | —                               | —                           | 3,335          |
| Other Oils for Petro. Feed. Use .....            | 2                           | 1,649            | 1,027                | —                         | —            | 2,678          | —                               | —                           | 3,006          |
| Special Naphthas .....                           | 60                          | 633              | —                    | 208                       | —            | 901            | —                               | 13                          | 876            |
| Lubricants .....                                 | 13                          | 976              | 1,468                | 861                       | —            | 3,318          | —                               | 487                         | 4,414          |
| Waxes .....                                      | —                           | 61               | 43                   | 25                        | —            | 129            | —                               | —                           | 130            |
| Petroleum Coke .....                             | 417                         | 7,842            | 5,039                | 187                       | 20           | 13,505         | 648                             | 4,005                       | 24,394         |
| Marketable .....                                 | 187                         | 6,129            | 4,118                | 168                       | —            | 10,602         | 421                             | 3,113                       | 18,516         |
| Catalyst .....                                   | 230                         | 1,713            | 921                  | 19                        | 20           | 2,903          | 227                             | 892                         | 5,878          |
| Asphalt and Road Oil .....                       | 172                         | 221              | 944                  | 1,181                     | 106          | 2,624          | 1,166                           | 915                         | 10,961         |
| Still Gas .....                                  | 783                         | 6,203            | 3,430                | 288                       | 80           | 10,784         | 628                             | 3,631                       | 20,216         |
| Miscellaneous Products .....                     | 120                         | 996              | 461                  | 21                        | 36           | 1,634          | 132                             | 385                         | 2,688          |
| <b>Total .....</b>                               | <b>13,156</b>               | <b>99,659</b>    | <b>69,944</b>        | <b>6,495</b>              | <b>1,575</b> | <b>190,829</b> | <b>15,275</b>                   | <b>41,772</b>               | <b>339,278</b> |
| Processing Gain(-) or Loss(+) <sup>1</sup> ..... | -951                        | -8,889           | -6,534               | -400                      | -65          | -16,839        | -901                            | -5,382                      | -31,665        |

— = No Data Reported.

<sup>1</sup> Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Data source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

**Table 32. Blender Net Inputs of Petroleum Products by PAD District, October 2022**  
(Thousand Barrels)

| Commodity                              | PAD District 1 - East Coast |                   |               | PAD District 2 - Midwest    |                                              |                            |               |
|----------------------------------------|-----------------------------|-------------------|---------------|-----------------------------|----------------------------------------------|----------------------------|---------------|
|                                        | East Coast                  | Appalachian No. 1 | Total         | Indiana, Illinois, Kentucky | Minnesota, Wisconsin, North and South Dakota | Oklahoma, Kansas, Missouri | Total         |
| <b>Hydrocarbon Gas Liquids</b>         | <b>2,025</b>                | <b>—</b>          | <b>2,025</b>  | <b>75</b>                   | <b>172</b>                                   | <b>606</b>                 | <b>853</b>    |
| Natural Gas Liquids                    | 2,025                       | —                 | 2,025         | 75                          | 172                                          | 606                        | 853           |
| Normal Butane                          | 1,601                       | —                 | 1,601         | 67                          | 136                                          | 449                        | 652           |
| Isobutane                              | —                           | —                 | —             | —                           | —                                            | —                          | —             |
| Natural Gasoline                       | 424                         | —                 | 424           | 8                           | 36                                           | 157                        | 201           |
| <b>Other Liquids</b>                   | <b>89,638</b>               | <b>5,812</b>      | <b>95,450</b> | <b>44,809</b>               | <b>8,647</b>                                 | <b>13,511</b>              | <b>66,967</b> |
| Oxygenates/Renewables                  | 9,623                       | 641               | 10,264        | 4,731                       | 1,021                                        | 1,592                      | 7,344         |
| Biofuels (including Fuel Ethanol)      | 9,623                       | 641               | 10,264        | 4,731                       | 1,021                                        | 1,592                      | 7,344         |
| Fuel Ethanol                           | 9,339                       | 577               | 9,916         | 4,617                       | 949                                          | 1,535                      | 7,101         |
| Biodiesel                              | 284                         | 64                | 348           | 114                         | 72                                           | 57                         | 243           |
| Renewable Diesel Fuel                  | —                           | —                 | —             | —                           | —                                            | —                          | —             |
| Other Biofuels <sup>1</sup>            | —                           | —                 | —             | —                           | —                                            | —                          | —             |
| Unfinished Oils (net)                  | —                           | —                 | —             | 3                           | —                                            | —                          | 3             |
| Naphthas and Lighter                   | —                           | —                 | —             | —                           | —                                            | —                          | —             |
| Kerosene and Light Gas Oils            | —                           | —                 | —             | —                           | —                                            | —                          | —             |
| Heavy Gas Oils                         | —                           | —                 | —             | 3                           | —                                            | —                          | 3             |
| Residuum                               | —                           | —                 | —             | —                           | —                                            | —                          | —             |
| Motor Gasoline Blend.Comp. (MGBC)(net) | 80,015                      | 5,171             | 85,186        | 40,075                      | 7,626                                        | 11,919                     | 59,620        |
| Reformulated - RBOB                    | 21,556                      | —                 | 21,556        | 6,497                       | 983                                          | 997                        | 8,477         |
| Conventional                           | 58,459                      | 5,171             | 63,630        | 33,578                      | 6,643                                        | 10,922                     | 51,143        |
| CBOB                                   | 47,981                      | 5,171             | 53,152        | 33,573                      | 6,543                                        | 10,922                     | 51,038        |
| GTAB                                   | 2,618                       | —                 | 2,618         | —                           | —                                            | —                          | —             |
| Other                                  | 7,860                       | —                 | 7,860         | 5                           | 100                                          | —                          | 105           |
| Aviation Gasoline Blend. Comp. (net)   | —                           | —                 | —             | —                           | —                                            | —                          | —             |
| <b>Total Input</b>                     | <b>91,663</b>               | <b>5,812</b>      | <b>97,475</b> | <b>44,884</b>               | <b>8,819</b>                                 | <b>14,117</b>              | <b>67,820</b> |

| Commodity                              | PAD District 3 - Gulf Coast |                  |                      |                           |              |               | PAD District 4 - Rocky Mountain | PAD District 5 - West Coast | U.S. Total     |
|----------------------------------------|-----------------------------|------------------|----------------------|---------------------------|--------------|---------------|---------------------------------|-----------------------------|----------------|
|                                        | Texas Inland                | Texas Gulf Coast | Louisiana Gulf Coast | North Louisiana, Arkansas | New Mexico   | Total         |                                 |                             |                |
| <b>Hydrocarbon Gas Liquids</b>         | <b>80</b>                   | <b>2,630</b>     | <b>277</b>           | <b>49</b>                 | <b>—</b>     | <b>3,036</b>  | <b>71</b>                       | <b>76</b>                   | <b>6,061</b>   |
| Natural Gas Liquids                    | 80                          | 2,630            | 277                  | 49                        | —            | 3,036         | 71                              | 76                          | 6,061          |
| Normal Butane                          | 69                          | 1,047            | 277                  | 49                        | —            | 1,442         | 33                              | 76                          | 3,804          |
| Isobutane                              | —                           | —                | —                    | —                         | —            | —             | 2                               | —                           | 2              |
| Natural Gasoline                       | 11                          | 1,583            | —                    | —                         | —            | 1,594         | 36                              | —                           | 2,255          |
| <b>Other Liquids</b>                   | <b>18,659</b>               | <b>8,315</b>     | <b>2,642</b>         | <b>8,857</b>              | <b>1,407</b> | <b>39,880</b> | <b>6,086</b>                    | <b>42,915</b>               | <b>251,298</b> |
| Oxygenates/Renewables                  | 1,935                       | 920              | 303                  | 972                       | 150          | 4,280         | 678                             | 4,955                       | 27,521         |
| Biofuels (including Fuel Ethanol)      | 1,935                       | 920              | 303                  | 972                       | 150          | 4,280         | 678                             | 4,955                       | 27,521         |
| Fuel Ethanol                           | 1,917                       | 820              | 303                  | 958                       | 142          | 4,140         | 668                             | 4,479                       | 26,304         |
| Biodiesel                              | 18                          | 65               | —                    | 14                        | 8            | 105           | 10                              | 385                         | 1,091          |
| Renewable Diesel Fuel                  | —                           | —                | —                    | —                         | —            | —             | —                               | 91                          | 91             |
| Other Biofuels <sup>1</sup>            | —                           | 35               | —                    | —                         | —            | 35            | —                               | —                           | 35             |
| Unfinished Oils (net)                  | —                           | —                | -100                 | —                         | —            | -100          | —                               | —                           | -97            |
| Naphthas and Lighter                   | —                           | —                | —                    | —                         | —            | —             | —                               | —                           | —              |
| Kerosene and Light Gas Oils            | —                           | —                | -100                 | —                         | —            | -100          | —                               | —                           | -100           |
| Heavy Gas Oils                         | —                           | —                | —                    | —                         | —            | —             | —                               | —                           | 3              |
| Residuum                               | —                           | —                | —                    | —                         | —            | —             | —                               | —                           | —              |
| Motor Gasoline Blend.Comp. (MGBC)(net) | 16,724                      | 7,395            | 2,439                | 7,885                     | 1,257        | 35,700        | 5,408                           | 37,960                      | 223,874        |
| Reformulated - RBOB                    | 6,811                       | 5,227            | —                    | 6                         | —            | 12,044        | —                               | 27,566                      | 69,643         |
| Conventional                           | 9,913                       | 2,168            | 2,439                | 7,879                     | 1,257        | 23,656        | 5,408                           | 10,394                      | 154,231        |
| CBOB                                   | 9,913                       | -2,408           | 1,612                | 7,879                     | 1,224        | 18,220        | 5,407                           | 10,269                      | 138,086        |
| GTAB                                   | —                           | —                | —                    | —                         | —            | —             | —                               | —                           | 2,618          |
| Other                                  | —                           | 4,576            | 827                  | —                         | 33           | 5,436         | 1                               | 125                         | 13,527         |
| Aviation Gasoline Blend. Comp. (net)   | —                           | —                | —                    | —                         | —            | —             | —                               | —                           | —              |
| <b>Total Input</b>                     | <b>18,739</b>               | <b>10,945</b>    | <b>2,919</b>         | <b>8,906</b>              | <b>1,407</b> | <b>42,916</b> | <b>6,157</b>                    | <b>42,991</b>               | <b>257,359</b> |

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Refer to Appendix A for Refining District descriptions.

Data source: Energy Information Administration (EIA) Form EIA-815, "Monthly Bulk Terminal Report."

**Table 33. Blender Net Production of Petroleum Products by PAD District, October 2022**  
(Thousand Barrels)

| Commodity                                        | PAD District 1 - East Coast |                   |               | PAD District 2 - Midwest    |                                              |                            |               |
|--------------------------------------------------|-----------------------------|-------------------|---------------|-----------------------------|----------------------------------------------|----------------------------|---------------|
|                                                  | East Coast                  | Appalachian No. 1 | Total         | Indiana, Illinois, Kentucky | Minnesota, Wisconsin, North and South Dakota | Oklahoma, Kansas, Missouri | Total         |
| Finished Motor Gasoline .....                    | 91,384                      | 5,751             | 97,135        | 44,781                      | 8,750                                        | 14,059                     | 67,590        |
| Reformulated .....                               | 35,675                      | 67                | 35,742        | 7,941                       | 1,381                                        | 1,108                      | 10,430        |
| Reformulated Blended with Fuel Ethanol .....     | 35,674                      | 67                | 35,741        | 7,941                       | 1,380                                        | 1,108                      | 10,429        |
| Reformulated Other .....                         | 1                           | —                 | 1             | —                           | 1                                            | —                          | 1             |
| Conventional .....                               | 55,709                      | 5,684             | 61,393        | 36,840                      | 7,369                                        | 12,951                     | 57,160        |
| Conventional Blended with Fuel Ethanol .....     | 56,430                      | 5,686             | 62,116        | 37,420                      | 7,715                                        | 13,003                     | 58,138        |
| Ed55 and Lower .....                             | 56,350                      | 5,686             | 62,036        | 37,387                      | 7,660                                        | 12,837                     | 57,884        |
| Greater than Ed55 .....                          | 80                          | —                 | 80            | 33                          | 55                                           | 166                        | 254           |
| Conventional Other .....                         | -721                        | -2                | -723          | -580                        | -346                                         | -52                        | -978          |
| Finished Aviation Gasoline .....                 | —                           | —                 | —             | —                           | —                                            | —                          | —             |
| Kerosene-Type Jet Fuel .....                     | 0                           | —                 | 0             | -10                         | -2                                           | 0                          | -12           |
| Kerosene .....                                   | —                           | —                 | —             | -18                         | —                                            | —                          | -18           |
| Distillate Fuel Oil .....                        | 287                         | 61                | 348           | 127                         | 71                                           | 58                         | 256           |
| 15 ppm sulfur and under .....                    | 287                         | 61                | 348           | 127                         | 71                                           | 59                         | 257           |
| Greater than 15 ppm to 500 ppm sulfur .....      | 28                          | —                 | 28            | —                           | —                                            | 109                        | 109           |
| Greater than 500 ppm sulfur .....                | -28                         | —                 | -28           | —                           | —                                            | -110                       | -110          |
| Residual Fuel Oil .....                          | -7                          | —                 | -7            | —                           | —                                            | -1                         | -1            |
| Less than 0.31 percent sulfur .....              | -7                          | —                 | -7            | —                           | —                                            | —                          | —             |
| 0.31 to 1.00 percent sulfur .....                | -1                          | —                 | -1            | —                           | —                                            | -1                         | -1            |
| Greater than 1.00 percent sulfur .....           | 1                           | —                 | 1             | —                           | —                                            | —                          | —             |
| Special Naphthas .....                           | —                           | —                 | —             | —                           | —                                            | —                          | —             |
| Lubricants .....                                 | —                           | —                 | —             | —                           | —                                            | —                          | —             |
| Asphalt and Road Oil .....                       | —                           | —                 | —             | 3                           | 2                                            | 3                          | 8             |
| Miscellaneous Products .....                     | —                           | —                 | —             | —                           | —                                            | —                          | —             |
| <b>Total Production .....</b>                    | <b>91,664</b>               | <b>5,812</b>      | <b>97,476</b> | <b>44,883</b>               | <b>8,821</b>                                 | <b>14,119</b>              | <b>67,823</b> |
| Processing Gain(-) or Loss(+) <sup>1</sup> ..... | -1                          | 0                 | -1            | 1                           | -2                                           | -2                         | -3            |

| Commodity                                        | PAD District 3 - Gulf Coast |                  |                      |                           |              |               | PAD District 4 - Rocky Mountain | PAD District 5 - West Coast | U.S. Total     |
|--------------------------------------------------|-----------------------------|------------------|----------------------|---------------------------|--------------|---------------|---------------------------------|-----------------------------|----------------|
|                                                  | Texas Inland                | Texas Gulf Coast | Louisiana Gulf Coast | North Louisiana, Arkansas | New Mexico   | Total         |                                 |                             |                |
| Finished Motor Gasoline .....                    | 18,723                      | 10,881           | 3,020                | 8,893                     | 1,398        | 42,915        | 6,147                           | 42,512                      | 256,299        |
| Reformulated .....                               | 7,543                       | 7,008            | —                    | —                         | —            | 14,551        | —                               | 30,775                      | 91,498         |
| Reformulated Blended with Fuel Ethanol .....     | 7,541                       | 7,006            | —                    | —                         | —            | 14,547        | —                               | 30,775                      | 91,492         |
| Reformulated Other .....                         | 2                           | 2                | —                    | —                         | —            | 4             | —                               | —                           | 6              |
| Conventional .....                               | 11,180                      | 3,873            | 3,020                | 8,893                     | 1,398        | 28,364        | 6,147                           | 11,737                      | 164,801        |
| Conventional Blended with Fuel Ethanol .....     | 11,428                      | 1,040            | 3,012                | 9,396                     | 1,459        | 26,335        | 6,578                           | 13,365                      | 166,532        |
| Ed55 and Lower .....                             | 11,417                      | 1,039            | 3,012                | 9,370                     | 1,458        | 26,296        | 6,548                           | 13,355                      | 166,119        |
| Greater than Ed55 .....                          | 11                          | 1                | —                    | 26                        | 1            | 39            | 30                              | 10                          | 413            |
| Conventional Other .....                         | -248                        | 2,833            | 8                    | -503                      | -61          | 2,029         | -431                            | -1,628                      | -1,731         |
| Finished Aviation Gasoline .....                 | —                           | —                | —                    | —                         | —            | —             | —                               | —                           | —              |
| Kerosene-Type Jet Fuel .....                     | 0                           | 35               | —                    | —                         | 0            | 35            | 66                              | -15                         | 74             |
| Kerosene .....                                   | —                           | -35              | —                    | —                         | —            | -35           | —                               | 11                          | -42            |
| Distillate Fuel Oil .....                        | 17                          | 65               | -100                 | 14                        | 9            | 5             | -55                             | 479                         | 1,033          |
| 15 ppm sulfur and under .....                    | 17                          | 65               | —                    | 14                        | 9            | 105           | -55                             | 473                         | 1,128          |
| Greater than 15 ppm to 500 ppm sulfur .....      | —                           | —                | —                    | —                         | —            | —             | —                               | —                           | 137            |
| Greater than 500 ppm sulfur .....                | —                           | —                | -100                 | —                         | —            | -100          | —                               | 6                           | -232           |
| Residual Fuel Oil .....                          | —                           | —                | -41                  | —                         | —            | -41           | —                               | —                           | -49            |
| Less than 0.31 percent sulfur .....              | —                           | —                | —                    | —                         | —            | —             | —                               | —                           | -7             |
| 0.31 to 1.00 percent sulfur .....                | —                           | —                | —                    | —                         | —            | —             | —                               | —                           | -2             |
| Greater than 1.00 percent sulfur .....           | —                           | —                | -41                  | —                         | —            | -41           | —                               | —                           | -40            |
| Special Naphthas .....                           | —                           | —                | —                    | —                         | —            | —             | —                               | —                           | —              |
| Lubricants .....                                 | —                           | —                | —                    | —                         | —            | —             | —                               | —                           | —              |
| Asphalt and Road Oil .....                       | —                           | —                | 41                   | —                         | —            | 41            | —                               | —                           | 49             |
| Miscellaneous Products .....                     | —                           | —                | —                    | —                         | —            | —             | —                               | —                           | —              |
| <b>Total Production .....</b>                    | <b>18,740</b>               | <b>10,946</b>    | <b>2,920</b>         | <b>8,907</b>              | <b>1,407</b> | <b>42,920</b> | <b>6,158</b>                    | <b>42,987</b>               | <b>257,364</b> |
| Processing Gain(-) or Loss(+) <sup>1</sup> ..... | -1                          | -1               | -1                   | -1                        | 0            | -4            | -1                              | 4                           | -5             |

— = No Data Reported.

<sup>1</sup> Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Data source: Energy Information Administration (EIA) Form EIA-815, "Monthly Bulk Terminal Report."

**Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, October 2022**  
(Thousand Barrels)

| Commodity                                 | PAD District 1 - East Coast |                   |               | PAD District 2 - Midwest    |                                              |                            |               |
|-------------------------------------------|-----------------------------|-------------------|---------------|-----------------------------|----------------------------------------------|----------------------------|---------------|
|                                           | East Coast                  | Appalachian No. 1 | Total         | Indiana, Illinois, Kentucky | Minnesota, Wisconsin, North and South Dakota | Oklahoma, Kansas, Missouri | Total         |
| <b>Crude Oil</b>                          | <b>5,503</b>                | <b>595</b>        | <b>6,098</b>  | <b>9,933</b>                | <b>1,929</b>                                 | <b>1,798</b>               | <b>13,660</b> |
| <b>Petroleum Products</b>                 | <b>9,957</b>                | <b>2,117</b>      | <b>12,074</b> | <b>30,494</b>               | <b>6,764</b>                                 | <b>11,304</b>              | <b>48,562</b> |
| Hydrocarbon Gas Liquids                   | 644                         | 44                | 688           | 2,499                       | 392                                          | 1,314                      | 4,205         |
| Natural Gas Liquids                       | 341                         | 44                | 385           | 2,126                       | 372                                          | 1,284                      | 3,782         |
| Ethane                                    | —                           | —                 | —             | —                           | —                                            | —                          | —             |
| Propane                                   | 94                          | 2                 | 96            | 615                         | 42                                           | 732                        | 1,389         |
| Normal Butane                             | 214                         | 34                | 248           | 1,234                       | 293                                          | 268                        | 1,795         |
| Isobutane                                 | 33                          | 8                 | 41            | 237                         | 37                                           | 163                        | 437           |
| Natural Gasoline                          | —                           | —                 | —             | 40                          | —                                            | 121                        | 161           |
| Refinery Olefins                          | 303                         | 0                 | 303           | 373                         | 20                                           | 30                         | 423           |
| Ethylene                                  | —                           | —                 | —             | —                           | —                                            | —                          | —             |
| Propylene                                 | 170                         | 0                 | 170           | 333                         | 20                                           | 30                         | 383           |
| Normal Butylene                           | 87                          | 0                 | 87            | 40                          | 0                                            | 0                          | 40            |
| Isobutylene                               | 46                          | 0                 | 46            | 0                           | 0                                            | 0                          | 0             |
| Biofuels/Other Hydrocarbons               | 72                          | 85                | 157           | 49                          | 36                                           | 19                         | 104           |
| Biofuels (including Fuel Ethanol)         | 72                          | 85                | 157           | 38                          | 36                                           | 19                         | 93            |
| Fuel Ethanol                              | 72                          | 77                | 149           | 33                          | 28                                           | 18                         | 79            |
| Biodiesel                                 | —                           | 8                 | 8             | 5                           | 8                                            | 1                          | 14            |
| Renewable Diesel Fuel                     | —                           | —                 | —             | —                           | —                                            | —                          | —             |
| Other Biofuels <sup>1</sup>               | —                           | —                 | —             | —                           | —                                            | —                          | —             |
| Other Hydrocarbons                        | —                           | —                 | —             | 11                          | —                                            | —                          | 11            |
| Unfinished Oils                           | 3,361                       | 379               | 3,740         | 8,813                       | 852                                          | 4,208                      | 13,873        |
| Naphthas and Lighter                      | 805                         | 225               | 1,030         | 1,926                       | 146                                          | 1,295                      | 3,367         |
| Kerosene and Light Gas Oils               | 587                         | —                 | 587           | 1,973                       | 318                                          | 401                        | 2,692         |
| Heavy Gas Oils                            | 1,298                       | 144               | 1,442         | 3,413                       | 388                                          | 1,520                      | 5,321         |
| Residuum                                  | 671                         | 10                | 681           | 1,501                       | —                                            | 992                        | 2,493         |
| Motor Gasoline Blending Components (MGBC) | 2,884                       | 228               | 3,112         | 9,176                       | 1,679                                        | 2,924                      | 13,779        |
| Reformulated - RBOB                       | 1,252                       | —                 | 1,252         | 888                         | —                                            | —                          | 888           |
| Conventional                              | 1,632                       | 228               | 1,860         | 8,288                       | 1,679                                        | 2,924                      | 12,891        |
| CBOB                                      | 87                          | 175               | 262           | 3,449                       | 974                                          | 1,870                      | 6,293         |
| GTAB                                      | —                           | —                 | —             | —                           | —                                            | —                          | —             |
| Other                                     | 1,545                       | 53                | 1,598         | 4,839                       | 705                                          | 1,054                      | 6,598         |
| Aviation Gasoline Blending Components     | —                           | —                 | —             | —                           | —                                            | —                          | —             |
| Finished Motor Gasoline                   | —                           | 44                | 44            | 465                         | 118                                          | 167                        | 750           |
| Reformulated                              | —                           | —                 | —             | —                           | —                                            | —                          | —             |
| Reformulated Blended with Fuel Ethanol    | —                           | —                 | —             | —                           | —                                            | —                          | —             |
| Reformulated Other                        | —                           | —                 | —             | —                           | —                                            | —                          | —             |
| Conventional                              | —                           | 44                | 44            | 465                         | 118                                          | 167                        | 750           |
| Conventional Blended with Fuel Ethanol    | —                           | —                 | —             | —                           | —                                            | —                          | —             |
| Ed55 and Lower                            | —                           | —                 | —             | —                           | —                                            | —                          | —             |
| Greater than Ed55                         | —                           | —                 | —             | —                           | —                                            | —                          | —             |
| Conventional Other                        | —                           | 44                | 44            | 465                         | 118                                          | 167                        | 750           |
| Finished Aviation Gasoline                | —                           | —                 | —             | —                           | 60                                           | —                          | 60            |
| Kerosene-Type Jet Fuel                    | 509                         | —                 | 509           | 1,361                       | 262                                          | 207                        | 1,830         |
| Kerosene                                  | 64                          | 4                 | 68            | 114                         | —                                            | 21                         | 135           |
| Distillate Fuel Oil                       | 1,356                       | 283               | 1,639         | 3,241                       | 1,003                                        | 1,554                      | 5,798         |
| 15 ppm sulfur and under                   | 1,124                       | 183               | 1,307         | 3,128                       | 937                                          | 1,359                      | 5,424         |
| Greater than 15 ppm to 500 ppm sulfur     | 59                          | 74                | 133           | —                           | —                                            | 145                        | 145           |
| Greater than 500 ppm sulfur               | 173                         | 26                | 199           | 113                         | 66                                           | 50                         | 229           |
| Residual Fuel Oil                         | 276                         | 21                | 297           | 740                         | 191                                          | 76                         | 1,007         |
| Less than 0.31 percent sulfur             | —                           | 19                | 19            | 118                         | —                                            | —                          | 118           |
| 0.31 to 1.00 percent sulfur               | 139                         | 2                 | 141           | 195                         | 57                                           | 28                         | 280           |
| Greater than 1.00 percent sulfur          | 137                         | —                 | 137           | 427                         | 134                                          | 48                         | 609           |
| Petrochemical Feedstocks                  | —                           | —                 | —             | 578                         | —                                            | —                          | 578           |
| Naphtha for Petro. Feed. Use              | —                           | —                 | —             | 454                         | —                                            | —                          | 454           |
| Other Oils for Petro. Feed. Use           | —                           | —                 | —             | 124                         | —                                            | —                          | 124           |
| Special Naphthas                          | —                           | 34                | 34            | 46                          | —                                            | 15                         | 61            |
| Lubricants                                | 652                         | 234               | 886           | —                           | —                                            | 260                        | 260           |
| Waxes                                     | —                           | 199               | 199           | —                           | —                                            | 57                         | 57            |
| Petroleum Coke                            | —                           | —                 | —             | 582                         | 1,101                                        | 198                        | 1,881         |
| Marketable                                | —                           | —                 | —             | 582                         | 1,101                                        | 198                        | 1,881         |
| Catalyst                                  | —                           | —                 | —             | —                           | —                                            | —                          | —             |
| Asphalt and Road Oil                      | 115                         | 518               | 633           | 2,746                       | 1,042                                        | 277                        | 4,065         |
| Miscellaneous Products                    | 24                          | 44                | 68            | 84                          | 28                                           | 7                          | 119           |
| <b>Total Stocks, All Oils</b>             | <b>15,460</b>               | <b>2,712</b>      | <b>18,172</b> | <b>40,427</b>               | <b>8,693</b>                                 | <b>13,102</b>              | <b>62,222</b> |

See footnotes at end of table.



**Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, October 2022**  
(Thousand Barrels) — Continued

| Commodity                                 | PAD District 3 - Gulf Coast |                  |                      |                           |              |                | PAD District 4 - Rocky Mountain | PAD District 5 - West Coast | U.S. Total     |
|-------------------------------------------|-----------------------------|------------------|----------------------|---------------------------|--------------|----------------|---------------------------------|-----------------------------|----------------|
|                                           | Texas Inland                | Texas Gulf Coast | Louisiana Gulf Coast | North Louisiana, Arkansas | New Mexico   | Total          |                                 |                             |                |
| <b>Crude Oil</b>                          | <b>2,153</b>                | <b>25,540</b>    | <b>14,782</b>        | <b>1,002</b>              | <b>284</b>   | <b>43,761</b>  | <b>2,276</b>                    | <b>22,681</b>               | <b>88,476</b>  |
| <b>Petroleum Products</b>                 | <b>10,670</b>               | <b>59,121</b>    | <b>40,275</b>        | <b>3,893</b>              | <b>1,312</b> | <b>115,271</b> | <b>9,921</b>                    | <b>48,601</b>               | <b>234,429</b> |
| Hydrocarbon Gas Liquids                   | 3,405                       | 2,405            | 1,180                | 12                        | 98           | 7,100          | 478                             | 1,725                       | 14,196         |
| Natural Gas Liquids                       | 2,647                       | 2,024            | 1,020                | 8                         | 98           | 5,797          | 406                             | 1,653                       | 12,023         |
| Ethane                                    | 24                          | 5                | —                    | —                         | —            | 29             | —                               | —                           | 29             |
| Propane                                   | 793                         | 684              | 74                   | 1                         | 4            | 1,556          | 41                              | 124                         | 3,206          |
| Normal Butane                             | 1,603                       | 1,106            | 454                  | 3                         | 85           | 3,251          | 282                             | 1,207                       | 6,783          |
| Isobutane                                 | 227                         | 212              | 291                  | 4                         | 9            | 743            | 79                              | 320                         | 1,620          |
| Natural Gasoline                          | —                           | 17               | 201                  | —                         | —            | 218            | 4                               | 2                           | 385            |
| Refinery Olefins                          | 758                         | 381              | 160                  | 4                         | 0            | 1,303          | 72                              | 72                          | 2,173          |
| Ethylene                                  | 0                           | 0                | —                    | —                         | —            | 0              | —                               | —                           | 0              |
| Propylene                                 | 357                         | 45               | 57                   | 2                         | 0            | 461            | 7                               | 6                           | 1,027          |
| Normal Butylene                           | 401                         | 336              | 103                  | 2                         | 0            | 842            | 65                              | 66                          | 1,100          |
| Isobutylene                               | 0                           | 0                | 0                    | 0                         | 0            | 0              | 0                               | 0                           | 46             |
| Biofuels/Other Hydrocarbons               | 37                          | 720              | 127                  | 19                        | 3            | 906            | 104                             | 964                         | 2,235          |
| Biofuels (including Fuel Ethanol)         | 37                          | 720              | 127                  | 19                        | 3            | 906            | 104                             | 964                         | 2,224          |
| Fuel Ethanol                              | 31                          | 697              | 83                   | 14                        | 2            | 827            | 96                              | 190                         | 1,341          |
| Biodiesel                                 | 6                           | 23               | 44                   | 5                         | 1            | 79             | 8                               | 8                           | 117            |
| Renewable Diesel Fuel                     | —                           | —                | —                    | —                         | —            | —              | —                               | 766                         | 766            |
| Other Biofuels <sup>1</sup>               | —                           | —                | —                    | —                         | —            | —              | —                               | —                           | —              |
| Other Hydrocarbons                        | —                           | —                | —                    | —                         | —            | —              | —                               | —                           | 11             |
| Unfinished Oils                           | 2,410                       | 22,651           | 13,578               | 1,077                     | 522          | 40,238         | 2,740                           | 17,521                      | 78,112         |
| Naphthas and Lighter                      | 1,047                       | 5,899            | 1,575                | 296                       | 180          | 8,997          | 537                             | 2,878                       | 16,809         |
| Kerosene and Light Gas Oils               | 417                         | 4,217            | 1,953                | 232                       | 118          | 6,937          | 521                             | 2,693                       | 13,430         |
| Heavy Gas Oils                            | 636                         | 9,553            | 7,341                | 452                       | 224          | 18,206         | 1,142                           | 8,700                       | 34,811         |
| Residuum                                  | 310                         | 2,982            | 2,709                | 97                        | —            | 6,098          | 540                             | 3,250                       | 13,062         |
| Motor Gasoline Blending Components (MGBC) | 2,640                       | 12,143           | 11,381               | 357                       | 250          | 26,771         | 2,910                           | 13,379                      | 59,951         |
| Reformulated - RBOB                       | 98                          | 1,034            | 10                   | —                         | 17           | 1,159          | —                               | 5,099                       | 8,398          |
| Conventional                              | 2,542                       | 11,109           | 11,371               | 357                       | 233          | 25,612         | 2,910                           | 8,280                       | 51,553         |
| CBOB                                      | 1,470                       | 3,965            | 6,217                | 276                       | 39           | 11,967         | 1,613                           | 2,754                       | 22,889         |
| GTAB                                      | —                           | —                | —                    | —                         | —            | —              | —                               | —                           | —              |
| Other                                     | 1,072                       | 7,144            | 5,154                | 81                        | 194          | 13,645         | 1,297                           | 5,526                       | 28,664         |
| Aviation Gasoline Blending Components     | 15                          | —                | 13                   | —                         | —            | 28             | —                               | —                           | 28             |
| Finished Motor Gasoline                   | 68                          | 1,783            | 858                  | 17                        | 5            | 2,731          | 739                             | 770                         | 5,034          |
| Reformulated                              | —                           | —                | —                    | —                         | —            | —              | —                               | 22                          | 22             |
| Reformulated Blended with Fuel Ethanol    | —                           | —                | —                    | —                         | —            | —              | —                               | 22                          | 22             |
| Reformulated Other                        | —                           | —                | —                    | —                         | —            | —              | —                               | —                           | —              |
| Conventional                              | 68                          | 1,783            | 858                  | 17                        | 5            | 2,731          | 739                             | 748                         | 5,012          |
| Conventional Blended with Fuel Ethanol    | —                           | —                | —                    | —                         | —            | —              | 62                              | —                           | 62             |
| Ed55 and Lower                            | —                           | —                | —                    | —                         | —            | —              | 62                              | —                           | 62             |
| Greater than Ed55                         | —                           | —                | —                    | —                         | —            | —              | —                               | —                           | —              |
| Conventional Other                        | 68                          | 1,783            | 858                  | 17                        | 5            | 2,731          | 677                             | 748                         | 4,950          |
| Finished Aviation Gasoline                | 40                          | 172              | 169                  | —                         | —            | 381            | 6                               | 192                         | 639            |
| Kerosene-Type Jet Fuel                    | 363                         | 3,083            | 1,437                | 72                        | —            | 4,955          | 329                             | 3,878                       | 11,501         |
| Kerosene                                  | 33                          | 59               | 1                    | 2                         | —            | 95             | 1                               | 3                           | 302            |
| Distillate Fuel Oil                       | 677                         | 7,761            | 5,349                | 438                       | 121          | 14,346         | 1,532                           | 5,433                       | 28,748         |
| 15 ppm sulfur and under                   | 646                         | 6,220            | 4,254                | 273                       | 121          | 11,514         | 1,377                           | 4,869                       | 24,491         |
| Greater than 15 ppm to 500 ppm sulfur     | 31                          | 132              | 372                  | 35                        | —            | 570            | 75                              | 260                         | 1,183          |
| Greater than 500 ppm sulfur               | —                           | 1,409            | 723                  | 130                       | —            | 2,262          | 80                              | 304                         | 3,074          |
| Residual Fuel Oil                         | 128                         | 2,342            | 1,197                | 13                        | 136          | 3,816          | 189                             | 2,165                       | 7,474          |
| Less than 0.31 percent sulfur             | 21                          | —                | 35                   | —                         | —            | 56             | 28                              | 27                          | 248            |
| 0.31 to 1.00 percent sulfur               | 61                          | 246              | 224                  | 13                        | —            | 544            | 4                               | 452                         | 1,421          |
| Greater than 1.00 percent sulfur          | 46                          | 2,096            | 938                  | —                         | 136          | 3,216          | 157                             | 1,686                       | 5,805          |
| Petrochemical Feedstocks                  | 72                          | 1,354            | 421                  | 4                         | —            | 1,851          | —                               | —                           | 2,429          |
| Naphtha for Petro. Feed. Use              | 51                          | 897              | 393                  | 4                         | —            | 1,345          | —                               | —                           | 1,799          |
| Other Oils for Petro. Feed. Use           | 21                          | 457              | 28                   | —                         | —            | 506            | —                               | —                           | 630            |
| Special Naphthas                          | 79                          | 522              | —                    | 192                       | —            | 793            | —                               | 26                          | 914            |
| Lubricants                                | 41                          | 1,790            | 2,138                | 737                       | —            | 4,706          | —                               | 607                         | 6,459          |
| Waxes                                     | —                           | 102              | 116                  | 96                        | —            | 314            | —                               | —                           | 570            |
| Petroleum Coke                            | 37                          | 1,832            | 1,422                | —                         | —            | 3,291          | 63                              | 1,291                       | 6,526          |
| Marketable                                | 37                          | 1,832            | 1,422                | —                         | —            | 3,291          | 63                              | 1,291                       | 6,526          |
| Catalyst                                  | —                           | —                | —                    | —                         | —            | —              | —                               | —                           | —              |
| Asphalt and Road Oil                      | 414                         | 184              | 771                  | 856                       | 151          | 2,376          | 813                             | 574                         | 8,461          |
| Miscellaneous Products                    | 211                         | 218              | 117                  | 1                         | 26           | 573            | 17                              | 73                          | 850            |
| <b>Total Stocks, All Oils</b>             | <b>12,823</b>               | <b>84,661</b>    | <b>55,057</b>        | <b>4,895</b>              | <b>1,596</b> | <b>159,032</b> | <b>12,197</b>                   | <b>71,282</b>               | <b>322,905</b> |

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Refer to Appendix A for Refining District descriptions.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal Report."

Table 35. Percent Yield of Petroleum Products by PAD and Refining Districts, October 2022

| Commodity                                        | PAD District 1 - East Coast |                   |       | PAD District 2 - Midwest    |                                              |                            |       |
|--------------------------------------------------|-----------------------------|-------------------|-------|-----------------------------|----------------------------------------------|----------------------------|-------|
|                                                  | East Coast                  | Appalachian No. 1 | Total | Indiana, Illinois, Kentucky | Minnesota, Wisconsin, North and South Dakota | Oklahoma, Kansas, Missouri | Total |
| Hydrocarbon Gas Liquids .....                    | 2.5                         | -0.4              | 2.1   | 1.5                         | 0.6                                          | 1.9                        | 1.4   |
| Finished Motor Gasoline <sup>1</sup> .....       | 48.2                        | 38.9              | 47.0  | 50.7                        | 51.9                                         | 50.2                       | 50.8  |
| Finished Aviation Gasoline <sup>2</sup> .....    | —                           | —                 | —     | —                           | 0.1                                          | —                          | 0.0   |
| Kerosene-Type Jet Fuel .....                     | 13.0                        | —                 | 11.5  | 9.1                         | 4.5                                          | 3.4                        | 7.1   |
| Kerosene .....                                   | 0.7                         | 0.2               | 0.6   | 0.1                         | —                                            | 0.2                        | 0.1   |
| Distillate Fuel Oil <sup>3</sup> .....           | 26.4                        | 26.5              | 26.4  | 28.1                        | 35.1                                         | 39.4                       | 31.8  |
| Residual Fuel Oil .....                          | 5.6                         | 0.3               | 4.9   | 1.2                         | 1.1                                          | 0.6                        | 1.0   |
| Naphtha for Petro. Feed. Use .....               | —                           | —                 | —     | 0.7                         | —                                            | —                          | 0.4   |
| Other Oils for Petro. Feed. Use .....            | —                           | —                 | —     | 0.5                         | —                                            | —                          | 0.3   |
| Special Naphthas .....                           | —                           | 0.3               | 0.0   | -0.1                        | —                                            | 0.1                        | 0.0   |
| Lubricants .....                                 | 0.9                         | 6.8               | 1.6   | —                           | —                                            | 0.7                        | 0.2   |
| Waxes .....                                      | —                           | -0.5              | -0.1  | —                           | —                                            | 0.1                        | 0.0   |
| Petroleum Coke .....                             | 3.3                         | 0.7               | 3.0   | 4.9                         | 5.7                                          | 3.5                        | 4.7   |
| Asphalt and Road Oil .....                       | 2.2                         | 24.4              | 4.9   | 5.2                         | 5.7                                          | 1.2                        | 4.3   |
| Still Gas .....                                  | 3.6                         | 1.3               | 3.3   | 3.6                         | 3.8                                          | 4.0                        | 3.7   |
| Miscellaneous Products .....                     | 0.3                         | 1.2               | 0.4   | 0.4                         | 0.7                                          | 0.2                        | 0.4   |
| Processing Gain(-) or Loss(+) <sup>4</sup> ..... | -6.5                        | 0.4               | -5.6  | -5.7                        | -9.2                                         | -5.3                       | -6.1  |

| Commodity                                        | PAD District 3 - Gulf Coast |                  |                      |                           |            |       | PAD District 4 - Rocky Mountain | PAD District 5 - West Coast | U.S. Total |
|--------------------------------------------------|-----------------------------|------------------|----------------------|---------------------------|------------|-------|---------------------------------|-----------------------------|------------|
|                                                  | Texas Inland                | Texas Gulf Coast | Louisiana Gulf Coast | North Louisiana, Arkansas | New Mexico | Total |                                 |                             |            |
| Hydrocarbon Gas Liquids .....                    | 2.3                         | 4.0              | 4.1                  | -0.1                      | 0.0        | 3.8   | 1.0                             | 0.1                         | 2.5        |
| Finished Motor Gasoline <sup>1</sup> .....       | 53.1                        | 44.4             | 43.1                 | 33.1                      | 55.0       | 44.4  | 49.5                            | 50.8                        | 47.1       |
| Finished Aviation Gasoline <sup>2</sup> .....    | 0.5                         | 0.1              | 0.1                  | —                         | —          | 0.1   | 0.0                             | 0.1                         | 0.1        |
| Kerosene-Type Jet Fuel .....                     | 7.2                         | 9.4              | 9.1                  | 1.1                       | —          | 8.8   | 5.5                             | 18.5                        | 9.7        |
| Kerosene .....                                   | 0.0                         | 0.2              | -0.1                 | 0.4                       | —          | 0.1   | —                               | 0.0                         | 0.1        |
| Distillate Fuel Oil <sup>3</sup> .....           | 32.0                        | 32.8             | 35.8                 | 36.4                      | 36.8       | 34.0  | 33.3                            | 20.7                        | 31.2       |
| Residual Fuel Oil .....                          | 1.4                         | 1.0              | 0.8                  | 0.2                       | 1.8        | 0.9   | 1.7                             | 3.9                         | 1.6        |
| Naphtha for Petro. Feed. Use .....               | 0.5                         | 1.2              | 1.1                  | —                         | —          | 1.1   | —                               | —                           | 0.7        |
| Other Oils for Petro. Feed. Use .....            | 0.0                         | 1.2              | 1.1                  | —                         | —          | 1.0   | —                               | —                           | 0.6        |
| Special Naphthas .....                           | 0.3                         | 0.5              | —                    | 2.5                       | —          | 0.3   | —                               | 0.0                         | 0.2        |
| Lubricants .....                                 | 0.1                         | 0.7              | 1.5                  | 10.5                      | —          | 1.2   | —                               | 0.7                         | 0.9        |
| Waxes .....                                      | —                           | 0.0              | 0.0                  | 0.3                       | —          | 0.1   | —                               | —                           | 0.0        |
| Petroleum Coke .....                             | 2.0                         | 5.6              | 5.1                  | 2.3                       | 0.7        | 5.0   | 3.5                             | 5.8                         | 4.9        |
| Asphalt and Road Oil .....                       | 0.8                         | 0.2              | 1.0                  | 14.4                      | 3.9        | 1.0   | 6.2                             | 1.3                         | 2.2        |
| Still Gas .....                                  | 3.8                         | 4.5              | 3.5                  | 3.5                       | 2.9        | 4.0   | 3.3                             | 5.3                         | 4.1        |
| Miscellaneous Products .....                     | 0.6                         | 0.7              | 0.5                  | 0.3                       | 1.3        | 0.6   | 0.7                             | 0.6                         | 0.5        |
| Processing Gain(-) or Loss(+) <sup>4</sup> ..... | -4.6                        | -6.4             | -6.7                 | -4.9                      | -2.4       | -6.3  | -4.8                            | -7.8                        | -6.4       |

— = No Data Reported.

<sup>1</sup> Based on net production of finished motor gasoline minus input of natural gas liquids, fuel ethanol, and net input of motor gasoline blending components.

<sup>2</sup> Based on finished aviation gasoline net production minus net input of aviation gasoline blending components.

<sup>3</sup> Based on distillate fuel oil net production minus input of biodiesel, renewable diesel fuel, and other biofuels.

<sup>4</sup> Represents the arithmetic difference between input and production.

Note: Percent yield is calculated as net production (or adjusted net production) divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Data source: Calculated from data on Tables 30 and 31.

**Table 36. Imports of Residual Fuel Oil by Sulfur Content and by PAD District and State of Entry, October 2022**  
(Thousand Barrels)

December 2022

| PAD District and State of Entry | Residual Fuel Oil       |                       |                            |              |
|---------------------------------|-------------------------|-----------------------|----------------------------|--------------|
|                                 | Less than 0.31 % sulfur | 0.31 to 1.00 % sulfur | Greater than 1.00 % sulfur | Total        |
| <b>PAD District 1</b> .....     | <b>438</b>              | <b>866</b>            | <b>1,178</b>               | <b>2,482</b> |
| Connecticut .....               | —                       | —                     | —                          | —            |
| Delaware .....                  | —                       | —                     | —                          | —            |
| Florida .....                   | —                       | 95                    | 644                        | 739          |
| Georgia .....                   | —                       | 74                    | —                          | 74           |
| Maine .....                     | —                       | —                     | —                          | —            |
| Maryland .....                  | —                       | —                     | —                          | —            |
| Massachusetts .....             | —                       | —                     | —                          | —            |
| New Hampshire .....             | —                       | —                     | —                          | —            |
| New Jersey .....                | —                       | 602                   | 534                        | 1,136        |
| New York .....                  | —                       | 95                    | —                          | 95           |
| North Carolina .....            | —                       | —                     | —                          | —            |
| Pennsylvania .....              | 438                     | —                     | —                          | 438          |
| Rhode Island .....              | —                       | —                     | —                          | —            |
| South Carolina .....            | —                       | —                     | —                          | —            |
| Vermont .....                   | —                       | —                     | —                          | —            |
| Virginia .....                  | —                       | —                     | —                          | —            |
| West Virginia .....             | —                       | —                     | —                          | —            |
| <b>PAD District 2</b> .....     | <b>—</b>                | <b>7</b>              | <b>79</b>                  | <b>86</b>    |
| Illinois .....                  | —                       | —                     | —                          | —            |
| Indiana .....                   | —                       | —                     | —                          | —            |
| Michigan .....                  | —                       | —                     | 68                         | 68           |
| Minnesota .....                 | —                       | 2                     | —                          | 2            |
| North Dakota .....              | —                       | 5                     | 11                         | 16           |
| Ohio .....                      | —                       | —                     | —                          | —            |
| Wisconsin .....                 | —                       | —                     | —                          | —            |
| <b>PAD District 3</b> .....     | <b>—</b>                | <b>—</b>              | <b>2,998</b>               | <b>2,998</b> |
| Alabama .....                   | —                       | —                     | —                          | —            |
| Louisiana .....                 | —                       | —                     | 669                        | 669          |
| Mississippi .....               | —                       | —                     | 591                        | 591          |
| New Mexico .....                | —                       | —                     | —                          | —            |
| Texas .....                     | —                       | —                     | 1,738                      | 1,738        |
| <b>PAD District 4</b> .....     | <b>—</b>                | <b>—</b>              | <b>—</b>                   | <b>—</b>     |
| Idaho .....                     | —                       | —                     | —                          | —            |
| Montana .....                   | —                       | —                     | —                          | —            |
| <b>PAD District 5</b> .....     | <b>—</b>                | <b>597</b>            | <b>149</b>                 | <b>746</b>   |
| Alaska .....                    | —                       | —                     | —                          | —            |
| California .....                | —                       | 561                   | 111                        | 672          |
| Hawaii .....                    | —                       | —                     | —                          | —            |
| Oregon .....                    | —                       | —                     | —                          | —            |
| Washington .....                | —                       | 36                    | 38                         | 74           |
| <b>U.S. Total</b> .....         | <b>438</b>              | <b>1,470</b>          | <b>4,404</b>               | <b>6,312</b> |

— = No Data Reported.

Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 37. Imports of Crude Oil and Petroleum Products by PAD District, October 2022**  
(Thousand Barrels, Except Where Noted)

| Commodity                               | PAD Districts |               |               |              |               | U.S. Total     |               |
|-----------------------------------------|---------------|---------------|---------------|--------------|---------------|----------------|---------------|
|                                         | 1             | 2             | 3             | 4            | 5             | Total          | Daily Average |
| <b>Crude Oil<sup>1,2</sup></b>          | <b>20,993</b> | <b>81,962</b> | <b>43,253</b> | <b>9,137</b> | <b>38,002</b> | <b>193,347</b> | <b>6,237</b>  |
| <b>Hydrocarbon Gas Liquids</b>          | <b>580</b>    | <b>2,982</b>  | <b>26</b>     | <b>368</b>   | <b>1,471</b>  | <b>5,427</b>   | <b>175</b>    |
| Natural Gas Liquids                     | 530           | 2,772         | —             | 368          | 1,471         | 5,141          | 166           |
| Ethane                                  | —             | —             | —             | —            | —             | —              | —             |
| Propane                                 | 490           | 2,067         | —             | 325          | 810           | 3,692          | 119           |
| Normal Butane                           | 32            | 555           | —             | 42           | 633           | 1,262          | 41            |
| Isobutane                               | 8             | 148           | —             | —            | 28            | 184            | 6             |
| Natural Gasoline                        | —             | 2             | —             | 1            | —             | 3              | 0             |
| Refinery Olefins                        | 50            | 210           | 26            | —            | —             | 286            | 9             |
| Ethylene                                | —             | —             | —             | —            | —             | —              | —             |
| Propylene                               | 50            | 139           | —             | —            | —             | 189            | 6             |
| Normal Butylene                         | —             | 71            | 26            | —            | —             | 97             | 3             |
| Isobutylene                             | —             | —             | —             | —            | —             | —              | —             |
| <b>Other Liquids</b>                    | <b>11,851</b> | <b>511</b>    | <b>15,358</b> | <b>33</b>    | <b>4,297</b>  | <b>32,050</b>  | <b>1,034</b>  |
| Hydrogen/Biofuels/Other Hydrocarbons    | 506           | 107           | 117           | 10           | 565           | 1,305          | 42            |
| Hydrogen                                | —             | —             | —             | —            | —             | —              | —             |
| Biofuels (including Fuel Ethanol)       | 506           | 107           | 114           | 10           | 565           | 1,302          | 42            |
| Fuel Ethanol                            | 193           | —             | —             | —            | —             | 193            | 6             |
| Biodiesel                               | 313           | 107           | 114           | 10           | 114           | 658            | 21            |
| Renewable Diesel Fuel                   | —             | —             | —             | —            | 451           | 451            | 15            |
| Other Biofuels <sup>3</sup>             | —             | —             | —             | —            | —             | —              | —             |
| Other Hydrocarbons                      | —             | —             | 3             | —            | —             | 3              | 0             |
| Unfinished Oils <sup>1</sup>            | 1,780         | —             | 13,882        | —            | 1,952         | 17,614         | 568           |
| Naphthas and Lighter                    | 746           | —             | —             | —            | —             | 746            | 24            |
| Kerosene and Lighter Gas Oils           | —             | —             | 10            | —            | —             | 10             | 0             |
| Heavy Gas Oils                          | 1,034         | —             | 7,513         | —            | 1,952         | 10,499         | 339           |
| Residuum                                | —             | —             | 6,359         | —            | —             | 6,359          | 205           |
| Motor Gasoline Blend.Comp. (MGBC)       | 9,565         | 404           | 1,359         | 23           | 1,780         | 13,131         | 424           |
| Reformulated - RBOB                     | 3,745         | —             | —             | —            | 326           | 4,071          | 131           |
| Conventional                            | 5,820         | 404           | 1,359         | 23           | 1,454         | 9,060          | 292           |
| CBOB                                    | 130           | 168           | —             | —            | 247           | 545            | 18            |
| GTAB                                    | 2,180         | —             | 280           | —            | —             | 2,460          | 79            |
| Other                                   | 3,510         | 236           | 1,079         | 23           | 1,207         | 6,055          | 195           |
| Aviation Gasoline Blend. Comp.          | —             | —             | —             | —            | —             | —              | —             |
| <b>Finished Petroleum Products</b>      | <b>9,370</b>  | <b>1,102</b>  | <b>5,789</b>  | <b>102</b>   | <b>4,919</b>  | <b>21,282</b>  | <b>687</b>    |
| Finished Motor Gasoline                 | 1,278         | —             | —             | —            | 1,182         | 2,460          | 79            |
| Reformulated                            | —             | —             | —             | —            | —             | —              | —             |
| Reformulated Blended with Fuel Ethanol  | —             | —             | —             | —            | —             | —              | —             |
| Reformulated Other                      | —             | —             | —             | —            | —             | —              | —             |
| Conventional                            | 1,278         | —             | —             | —            | 1,182         | 2,460          | 79            |
| Conventional Blended with Fuel Ethanol  | —             | —             | —             | —            | —             | —              | —             |
| Ed55 and Lower                          | —             | —             | —             | —            | —             | —              | —             |
| Greater than Ed55                       | —             | —             | —             | —            | —             | —              | —             |
| Conventional Other                      | 1,278         | —             | —             | —            | 1,182         | 2,460          | 79            |
| Finished Aviation Gasoline              | 27            | 5             | —             | —            | 2             | 34             | 1             |
| Kerosene-Type Jet Fuel                  | 1,741         | —             | —             | —            | 2,322         | 4,063          | 131           |
| Bonded Aircraft Fuel                    | —             | —             | —             | —            | 727           | 727            | 23            |
| Other                                   | 1,741         | —             | —             | —            | 1,595         | 3,336          | 108           |
| Kerosene                                | —             | —             | —             | —            | —             | —              | —             |
| Distillate Fuel Oil                     | 2,533         | 172           | —             | 26           | 541           | 3,272          | 106           |
| 15 ppm sulfur and under                 | 2,529         | 168           | —             | 26           | 541           | 3,264          | 105           |
| Bonded                                  | —             | —             | —             | —            | —             | —              | —             |
| Other                                   | 2,529         | 168           | —             | 26           | 541           | 3,264          | 105           |
| Greater than 15 ppm to 500 ppm sulfur   | 4             | 2             | —             | —            | —             | 6              | 0             |
| Bonded                                  | —             | —             | —             | —            | —             | —              | —             |
| Other                                   | 4             | 2             | —             | —            | —             | 6              | 0             |
| Greater than 500 ppm to 2000 ppm sulfur | —             | 2             | —             | —            | —             | 2              | 0             |
| Bonded                                  | —             | —             | —             | —            | —             | —              | —             |
| Other                                   | —             | 2             | —             | —            | —             | 2              | 0             |
| Greater than 2000 ppm                   | —             | —             | —             | —            | —             | —              | —             |
| Bonded                                  | —             | —             | —             | —            | —             | —              | —             |
| Other                                   | —             | —             | —             | —            | —             | —              | —             |
| Residual Fuel Oil                       | 2,482         | 86            | 2,998         | —            | 746           | 6,312          | 204           |
| Less than 0.31 percent sulfur           | 438           | —             | —             | —            | —             | 438            | 14            |
| 0.31 to 1.00 percent sulfur             | 866           | 7             | —             | —            | 597           | 1,470          | 47            |
| Greater than 1.00 percent sulfur        | 1,178         | 79            | 2,998         | —            | 149           | 4,404          | 142           |
| Petrochemical Feedstocks                | 1             | 152           | 188           | —            | —             | 341            | 11            |
| Naphtha for Petro. Feed. Use            | 1             | 121           | 161           | —            | —             | 283            | 9             |
| Other Oils for Petro. Feed. Use         | —             | 31            | 27            | —            | —             | 58             | 2             |
| Special Naphthas                        | 2             | 9             | 452           | —            | —             | 463            | 15            |
| Lubricants                              | 171           | 229           | 1,776         | —            | 26            | 2,202          | 71            |
| Waxes                                   | 95            | 10            | 20            | —            | 69            | 194            | 6             |
| Petroleum Coke (Marketable)             | —             | 22            | 355           | —            | —             | 377            | 12            |
| Asphalt and Road Oil                    | 1,040         | 417           | —             | 75           | 31            | 1,563          | 50            |
| Miscellaneous Products                  | —             | —             | —             | 1            | —             | 1              | 0             |
| <b>Total</b>                            | <b>42,794</b> | <b>86,557</b> | <b>64,426</b> | <b>9,640</b> | <b>48,689</b> | <b>252,106</b> | <b>8,132</b>  |

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 38. Year-to-Date Imports of Crude Oil and Petroleum Products by PAD District, January-October 2022**  
(Thousand Barrels)

| Commodity                               | PAD Districts  |                |                |               |                | U.S. Total       |               |
|-----------------------------------------|----------------|----------------|----------------|---------------|----------------|------------------|---------------|
|                                         | 1              | 2              | 3              | 4             | 5              | Total            | Daily Average |
| <b>Crude Oil<sup>1,2</sup></b>          | <b>185,483</b> | <b>792,816</b> | <b>493,618</b> | <b>86,257</b> | <b>360,268</b> | <b>1,918,442</b> | <b>6,311</b>  |
| <b>Hydrocarbon Gas Liquids</b>          | <b>11,944</b>  | <b>22,505</b>  | <b>99</b>      | <b>3,572</b>  | <b>13,500</b>  | <b>51,620</b>    | <b>170</b>    |
| Natural Gas Liquids                     | 9,280          | 20,679         | 48             | 3,572         | 13,500         | 47,079           | 155           |
| Ethane                                  | —              | —              | —              | —             | —              | —                | —             |
| Propane                                 | 8,667          | 13,683         | 16             | 3,352         | 7,863          | 33,581           | 110           |
| Normal Butane                           | 430            | 4,960          | 30             | 197           | 5,523          | 11,140           | 37            |
| Isobutane                               | 183            | 1,994          | —              | 22            | 114            | 2,313            | 8             |
| Natural Gasoline                        | —              | 42             | 2              | 1             | —              | 45               | 0             |
| Refinery Olefins                        | 2,664          | 1,826          | 51             | —             | —              | 4,541            | 15            |
| Ethylene                                | —              | —              | —              | —             | —              | —                | —             |
| Propylene                               | 2,664          | 1,204          | —              | —             | —              | 3,868            | 13            |
| Normal Butylene                         | —              | 622            | 51             | —             | —              | 673              | 2             |
| Isobutylene                             | —              | —              | —              | —             | —              | —                | —             |
| <b>Other Liquids</b>                    | <b>147,993</b> | <b>4,770</b>   | <b>144,319</b> | <b>964</b>    | <b>36,841</b>  | <b>334,887</b>   | <b>1,102</b>  |
| Hydrogen/Biofuels/Other Hydrocarbons    | 1,964          | 819            | 831            | 95            | 6,662          | 10,371           | 34            |
| Hydrogen                                | —              | —              | —              | —             | —              | —                | —             |
| Biofuels (including Fuel Ethanol)       | 1,964          | 819            | 755            | 95            | 6,662          | 10,295           | 34            |
| Fuel Ethanol                            | 193            | —              | —              | 7             | 945            | 1,145            | 4             |
| Biodiesel                               | 1,771          | 819            | 705            | 88            | 813            | 4,196            | 14            |
| Renewable Diesel Fuel                   | —              | —              | —              | —             | 4,892          | 4,892            | 16            |
| Other Biofuels <sup>3</sup>             | —              | —              | 50             | —             | 12             | 62               | 0             |
| Other Hydrocarbons                      | —              | —              | 76             | —             | —              | 76               | 0             |
| Unfinished Oils <sup>1</sup>            | 11,777         | —              | 127,740        | 345           | 18,955         | 158,817          | 522           |
| Naphthas and Lighter                    | 3,391          | —              | 90             | —             | 199            | 3,680            | 12            |
| Kerosene and Lighter Gas Oils           | —              | —              | 152            | 46            | —              | 198              | 1             |
| Heavy Gas Oils                          | 8,386          | —              | 65,932         | 299           | 18,554         | 93,171           | 306           |
| Residuum                                | —              | —              | 61,566         | —             | 202            | 61,768           | 203           |
| Motor Gasoline Blend.Comp. (MGBC)       | 134,252        | 3,951          | 15,748         | 524           | 11,224         | 165,699          | 545           |
| Reformulated - RBOB                     | 45,664         | —              | 417            | —             | 1,615          | 47,696           | 157           |
| Conventional                            | 88,588         | 3,951          | 15,331         | 524           | 9,609          | 118,003          | 388           |
| CBOB                                    | 13,491         | 1,062          | —              | —             | 878            | 15,431           | 51            |
| GTAB                                    | 24,392         | —              | 341            | —             | —              | 24,733           | 81            |
| Other                                   | 50,705         | 2,889          | 14,990         | 524           | 8,731          | 77,839           | 256           |
| Aviation Gasoline Blend. Comp.          | —              | —              | —              | —             | —              | —                | —             |
| <b>Finished Petroleum Products</b>      | <b>106,910</b> | <b>12,997</b>  | <b>64,294</b>  | <b>2,646</b>  | <b>46,378</b>  | <b>233,225</b>   | <b>767</b>    |
| Finished Motor Gasoline                 | 22,648         | —              | 179            | 20            | 7,692          | 30,539           | 100           |
| Reformulated                            | —              | —              | —              | —             | —              | —                | —             |
| Reformulated Blended with Fuel Ethanol  | —              | —              | —              | —             | —              | —                | —             |
| Reformulated Other                      | —              | —              | —              | —             | —              | —                | —             |
| Conventional                            | 22,648         | —              | 179            | 20            | 7,692          | 30,539           | 100           |
| Conventional Blended with Fuel Ethanol  | —              | —              | —              | —             | —              | —                | —             |
| Ed55 and Lower                          | —              | —              | —              | —             | —              | —                | —             |
| Greater than Ed55                       | —              | —              | —              | —             | —              | —                | —             |
| Conventional Other                      | 22,648         | —              | 179            | 20            | 7,692          | 30,539           | 100           |
| Finished Aviation Gasoline              | 143            | 44             | 80             | 5             | 21             | 293              | 1             |
| Kerosene-Type Jet Fuel                  | 8,542          | 34             | —              | 311           | 26,801         | 35,688           | 117           |
| Bonded Aircraft Fuel                    | 982            | —              | —              | —             | 4,801          | 5,783            | 19            |
| Other                                   | 7,560          | 34             | —              | 311           | 22,000         | 29,905           | 98            |
| Kerosene                                | —              | —              | —              | —             | 18             | 18               | 0             |
| Distillate Fuel Oil                     | 43,351         | 2,735          | 271            | 1,548         | 7,332          | 55,237           | 182           |
| 15 ppm sulfur and under                 | 43,228         | 2,553          | 136            | 1,545         | 5,881          | 53,343           | 175           |
| Bonded                                  | 1              | —              | —              | —             | —              | 1                | 0             |
| Other                                   | 43,227         | 2,553          | 136            | 1,545         | 5,881          | 53,342           | 175           |
| Greater than 15 ppm to 500 ppm sulfur   | 61             | 49             | 25             | —             | 1,260          | 1,395            | 5             |
| Bonded                                  | —              | —              | —              | —             | —              | —                | —             |
| Other                                   | 61             | 49             | 25             | —             | 1,260          | 1,395            | 5             |
| Greater than 500 ppm to 2000 ppm sulfur | 62             | 133            | 110            | 3             | 1              | 309              | 1             |
| Bonded                                  | —              | —              | —              | —             | —              | —                | —             |
| Other                                   | 62             | 133            | 110            | 3             | 1              | 309              | 1             |
| Greater than 2000 ppm                   | —              | —              | —              | —             | 190            | 190              | 1             |
| Bonded                                  | —              | —              | —              | —             | —              | —                | —             |
| Other                                   | —              | —              | —              | —             | 190            | 190              | 1             |
| Residual Fuel Oil                       | 19,140         | 1,190          | 42,456         | —             | 2,987          | 65,773           | 216           |
| Less than 0.31 percent sulfur           | 1,608          | —              | 880            | —             | —              | 2,488            | 8             |
| 0.31 to 1.00 percent sulfur             | 5,313          | 98             | 2,021          | —             | 1,745          | 9,177            | 30            |
| Greater than 1.00 percent sulfur        | 12,219         | 1,092          | 39,555         | —             | 1,242          | 54,108           | 178           |
| Petrochemical Feedstocks                | 495            | 1,488          | 2,341          | —             | 280            | 4,604            | 15            |
| Naphtha for Petro. Feed. Use            | 484            | 879            | 2,000          | —             | 280            | 3,643            | 12            |
| Other Oils for Petro. Feed. Use         | 11             | 609            | 341            | —             | —              | 961              | 3             |
| Special Naphthas                        | 117            | 78             | 4,066          | —             | —              | 4,261            | 14            |
| Lubricants                              | 1,307          | 2,152          | 11,552         | —             | 289            | 15,300           | 50            |
| Waxes                                   | 987            | 137            | 350            | —             | 345            | 1,819            | 6             |
| Petroleum Coke (Marketable)             | 12             | 218            | 2,940          | —             | —              | 3,170            | 10            |
| Asphalt and Road Oil                    | 10,168         | 4,921          | 59             | 752           | 613            | 16,513           | 54            |
| Miscellaneous Products                  | —              | —              | —              | 10            | —              | 10               | 0             |
| <b>Total</b>                            | <b>452,330</b> | <b>833,088</b> | <b>702,330</b> | <b>93,439</b> | <b>456,987</b> | <b>2,538,174</b> | <b>8,349</b>  |

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."



**Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, October 2022**  
(Thousand Barrels)

| Country of Origin                     | Crude Oil <sup>1,2</sup> | Natural Gas Liquids | Refinery Olefins | Unfinished Oils <sup>1</sup> | Finished Motor Gasoline |              |              | Motor Gasoline Blending Components |              |               |
|---------------------------------------|--------------------------|---------------------|------------------|------------------------------|-------------------------|--------------|--------------|------------------------------------|--------------|---------------|
|                                       |                          |                     |                  |                              | Reformulated            | Conventional | Total        | Reformulated                       | Conventional | Total         |
| <b>OPEC</b> .....                     | <b>28,764</b>            | —                   | —                | <b>6,145</b>                 | —                       | —            | —            | —                                  | <b>1,083</b> | <b>1,083</b>  |
| Algeria .....                         | 648                      | —                   | —                | 1,187                        | —                       | —            | —            | —                                  | —            | —             |
| Angola .....                          | 2,051                    | —                   | —                | 90                           | —                       | —            | —            | —                                  | 219          | 219           |
| Congo (Brazzaville) .....             | 932                      | —                   | —                | 7                            | —                       | —            | —            | —                                  | —            | —             |
| Equatorial Guinea .....               | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —             |
| Gabon .....                           | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —             |
| Iran .....                            | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —             |
| Iraq .....                            | 6,034                    | —                   | —                | 3,102                        | —                       | —            | —            | —                                  | —            | —             |
| Kuwait .....                          | 1,259                    | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —             |
| Libya .....                           | 3,741                    | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —             |
| Nigeria .....                         | 1,267                    | —                   | —                | 26                           | —                       | —            | —            | —                                  | 308          | 308           |
| Saudi Arabia .....                    | 12,832                   | —                   | —                | 1,473                        | —                       | —            | —            | —                                  | 556          | 556           |
| United Arab Emirates .....            | —                        | —                   | —                | 260                          | —                       | —            | —            | —                                  | —            | —             |
| Venezuela .....                       | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —             |
| <b>Non-OPEC</b> .....                 | <b>164,583</b>           | <b>5,141</b>        | <b>286</b>       | <b>11,469</b>                | —                       | <b>2,460</b> | <b>2,460</b> | <b>4,071</b>                       | <b>7,977</b> | <b>12,048</b> |
| Argentina .....                       | 2,762                    | 55                  | —                | 106                          | —                       | —            | —            | —                                  | 293          | 293           |
| Aruba .....                           | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —             |
| Australia .....                       | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —             |
| Bahamas .....                         | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —             |
| Bahrain .....                         | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —             |
| Belgium .....                         | —                        | —                   | —                | 320                          | —                       | —            | —            | —                                  | 26           | 26            |
| Brazil .....                          | 6,124                    | —                   | —                | 685                          | —                       | —            | —            | —                                  | 76           | 76            |
| Brunei .....                          | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —             |
| Cameroon .....                        | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —             |
| Canada .....                          | 116,109                  | 5,027               | 260              | 1,575                        | —                       | 418          | 418          | 1,589                              | 583          | 2,172         |
| Chad .....                            | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —             |
| China .....                           | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —             |
| Colombia .....                        | 6,799                    | —                   | —                | 2                            | —                       | —            | —            | —                                  | —            | —             |
| Denmark .....                         | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | 11           | 11            |
| Ecuador .....                         | 3,494                    | —                   | —                | 1,072                        | —                       | —            | —            | —                                  | —            | —             |
| Egypt .....                           | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —             |
| Estonia .....                         | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —             |
| Finland .....                         | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —             |
| France .....                          | —                        | —                   | —                | —                            | —                       | 137          | 137          | —                                  | —            | —             |
| Germany .....                         | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | 55           | 55            |
| Guatemala .....                       | 279                      | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —             |
| India .....                           | —                        | —                   | —                | 581                          | —                       | 103          | 103          | —                                  | 1,133        | 1,133         |
| Indonesia .....                       | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —             |
| Italy .....                           | —                        | —                   | —                | 140                          | —                       | 233          | 233          | —                                  | 1,668        | 1,668         |
| Korea, South .....                    | —                        | —                   | —                | —                            | —                       | 679          | 679          | —                                  | 12           | 12            |
| Latvia .....                          | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —             |
| Lithuania .....                       | —                        | —                   | —                | 113                          | —                       | —            | —            | —                                  | —            | —             |
| Malaysia .....                        | —                        | —                   | —                | 1,654                        | —                       | —            | —            | —                                  | 184          | 184           |
| Mexico .....                          | 21,124                   | —                   | —                | 3,592                        | —                       | —            | —            | —                                  | 130          | 130           |
| Netherlands .....                     | —                        | —                   | —                | 471                          | —                       | 64           | 64           | 576                                | 32           | 608           |
| Norway .....                          | 190                      | —                   | —                | —                            | —                       | 126          | 126          | 454                                | 336          | 790           |
| Oman .....                            | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —             |
| Portugal .....                        | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | 1,128        | 1,128         |
| Qatar .....                           | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —             |
| Russia .....                          | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —             |
| Spain .....                           | —                        | —                   | —                | 226                          | —                       | —            | —            | 35                                 | 1,111        | 1,146         |
| Sweden .....                          | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —             |
| Syria .....                           | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —             |
| Trinidad and Tobago .....             | 522                      | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —             |
| United Kingdom .....                  | 2,098                    | —                   | —                | 381                          | —                       | 492          | 492          | 1,417                              | 655          | 2,072         |
| Vietnam .....                         | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —             |
| Virgin Islands, U.S. ....             | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —             |
| Yemen .....                           | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —             |
| Other .....                           | 5,082                    | 59                  | 26               | 551                          | —                       | 208          | 208          | 0                                  | 544          | 544           |
| <b>Total</b> .....                    | <b>193,347</b>           | <b>5,141</b>        | <b>286</b>       | <b>17,614</b>                | —                       | <b>2,460</b> | <b>2,460</b> | <b>4,071</b>                       | <b>9,060</b> | <b>13,131</b> |
| <b>Persian Gulf<sup>4</sup></b> ..... | <b>20,125</b>            | —                   | —                | <b>4,835</b>                 | —                       | —            | —            | —                                  | <b>556</b>   | <b>556</b>    |

See footnotes at end of table.

**Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, October 2022**  
(Thousand Barrels) — Continued

| Country of Origin                     | Biofuels     |           |                       |                             | Distillate Fuel Oil     |                                       |                 |                       |       | Kerosene | Finished Aviation Gasoline |
|---------------------------------------|--------------|-----------|-----------------------|-----------------------------|-------------------------|---------------------------------------|-----------------|-----------------------|-------|----------|----------------------------|
|                                       | Fuel Ethanol | Biodiesel | Renewable Diesel Fuel | Other Biofuels <sup>3</sup> | 15 ppm sulfur and under | Greater than 15 ppm to 500 ppm sulfur | 501 to 2000 ppm | Greater than 2000 ppm | Total |          |                            |
| <b>OPEC</b> .....                     | —            | —         | 10                    | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Algeria .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Angola .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Congo (Brazzaville) .....             | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Equatorial Guinea .....               | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Gabon .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Iran .....                            | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Iraq .....                            | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Kuwait .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Libya .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Nigeria .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Saudi Arabia .....                    | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| United Arab Emirates .....            | —            | —         | 10                    | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Venezuela .....                       | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| <b>Non-OPEC</b> .....                 | 193          | 658       | 441                   | —                           | 3,264                   | 6                                     | 2               | —                     | 3,272 | —        | 34                         |
| Argentina .....                       | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Aruba .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Australia .....                       | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Bahamas .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Bahrain .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Belgium .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Brazil .....                          | 193          | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Brunei .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Cameroon .....                        | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Canada .....                          | —            | 308       | —                     | —                           | 2,940                   | 6                                     | 2               | —                     | 2,948 | —        | 8                          |
| Chad .....                            | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| China .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Colombia .....                        | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Denmark .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Ecuador .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Egypt .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Estonia .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Finland .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| France .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Germany .....                         | —            | 293       | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Guatemala .....                       | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| India .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Indonesia .....                       | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Italy .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Korea, South .....                    | —            | —         | —                     | —                           | 25                      | —                                     | —               | —                     | 25    | —        | —                          |
| Latvia .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Lithuania .....                       | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Malaysia .....                        | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Mexico .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Netherlands .....                     | —            | —         | 45                    | —                           | —                       | —                                     | —               | —                     | —     | —        | 26                         |
| Norway .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Oman .....                            | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Portugal .....                        | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Qatar .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Russia .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Spain .....                           | —            | 57        | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Sweden .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Syria .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Trinidad and Tobago .....             | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| United Kingdom .....                  | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Vietnam .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Virgin Islands, U.S. ....             | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Yemen .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Other .....                           | 0            | 0         | 396                   | —                           | 299                     | 0                                     | 0               | —                     | 299   | —        | 0                          |
| <b>Total</b> .....                    | 193          | 658       | 451                   | —                           | 3,264                   | 6                                     | 2               | —                     | 3,272 | —        | 34                         |
| <b>Persian Gulf<sup>4</sup></b> ..... | —            | —         | 10                    | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |

See footnotes at end of table.

**Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, October 2022**  
(Thousand Barrels) — Continued

| Country of Origin                     | Aviation<br>Gasoline<br>Blending<br>Components | Kerosene-<br>Type Jet<br>Fuel | Special<br>Naphthas | Residual Fuel Oil          |                          |                               |       | Petrochemical<br>Feedstocks |               |
|---------------------------------------|------------------------------------------------|-------------------------------|---------------------|----------------------------|--------------------------|-------------------------------|-------|-----------------------------|---------------|
|                                       |                                                |                               |                     | Less than 0.31<br>% sulfur | 0.31 to 1.00<br>% sulfur | Greater than<br>1.00 % sulfur | Total | Naphtha                     | Other<br>Oils |
| <b>OPEC</b> .....                     | —                                              | 1,115                         | 28                  | —                          | —                        | —                             | —     | —                           | —             |
| Algeria .....                         | —                                              | —                             | —                   | —                          | —                        | —                             | —     | —                           | —             |
| Angola .....                          | —                                              | —                             | —                   | —                          | —                        | —                             | —     | —                           | —             |
| Congo (Brazzaville) .....             | —                                              | —                             | —                   | —                          | —                        | —                             | —     | —                           | —             |
| Equatorial Guinea .....               | —                                              | —                             | —                   | —                          | —                        | —                             | —     | —                           | —             |
| Gabon .....                           | —                                              | —                             | —                   | —                          | —                        | —                             | —     | —                           | —             |
| Iran .....                            | —                                              | —                             | —                   | —                          | —                        | —                             | —     | —                           | —             |
| Iraq .....                            | —                                              | —                             | —                   | —                          | —                        | —                             | —     | —                           | —             |
| Kuwait .....                          | —                                              | 1,115                         | —                   | —                          | —                        | —                             | —     | —                           | —             |
| Libya .....                           | —                                              | —                             | —                   | —                          | —                        | —                             | —     | —                           | —             |
| Nigeria .....                         | —                                              | —                             | —                   | —                          | —                        | —                             | —     | —                           | —             |
| Saudi Arabia .....                    | —                                              | —                             | 28                  | —                          | —                        | —                             | —     | —                           | —             |
| United Arab Emirates .....            | —                                              | —                             | —                   | —                          | —                        | —                             | —     | —                           | —             |
| Venezuela .....                       | —                                              | —                             | —                   | —                          | —                        | —                             | —     | —                           | —             |
| <b>Non-OPEC</b> .....                 | —                                              | 2,948                         | 435                 | 438                        | 1,470                    | 4,404                         | 6,312 | 283                         | 58            |
| Argentina .....                       | —                                              | —                             | —                   | —                          | —                        | —                             | —     | —                           | —             |
| Aruba .....                           | —                                              | —                             | —                   | —                          | —                        | —                             | —     | —                           | —             |
| Australia .....                       | —                                              | —                             | —                   | —                          | —                        | —                             | —     | —                           | —             |
| Bahamas .....                         | —                                              | —                             | —                   | —                          | —                        | —                             | —     | —                           | —             |
| Bahrain .....                         | —                                              | —                             | —                   | —                          | —                        | 135                           | 135   | —                           | —             |
| Belgium .....                         | —                                              | 14                            | —                   | —                          | 360                      | —                             | 360   | —                           | —             |
| Brazil .....                          | —                                              | —                             | —                   | —                          | —                        | 389                           | 389   | —                           | —             |
| Brunei .....                          | —                                              | —                             | —                   | —                          | —                        | —                             | —     | —                           | —             |
| Cameroon .....                        | —                                              | —                             | —                   | —                          | —                        | —                             | —     | —                           | —             |
| Canada .....                          | —                                              | 185                           | 93                  | —                          | 43                       | 232                           | 275   | 122                         | 31            |
| Chad .....                            | —                                              | —                             | —                   | —                          | —                        | —                             | —     | —                           | —             |
| China .....                           | —                                              | 235                           | —                   | —                          | —                        | —                             | —     | —                           | —             |
| Colombia .....                        | —                                              | —                             | —                   | —                          | —                        | 888                           | 888   | —                           | —             |
| Denmark .....                         | —                                              | —                             | —                   | —                          | —                        | —                             | —     | —                           | —             |
| Ecuador .....                         | —                                              | —                             | —                   | —                          | —                        | 122                           | 122   | —                           | —             |
| Egypt .....                           | —                                              | —                             | —                   | —                          | —                        | —                             | —     | —                           | —             |
| Estonia .....                         | —                                              | —                             | —                   | —                          | —                        | —                             | —     | —                           | —             |
| Finland .....                         | —                                              | —                             | —                   | —                          | —                        | —                             | —     | —                           | —             |
| France .....                          | —                                              | —                             | —                   | —                          | —                        | —                             | —     | —                           | 27            |
| Germany .....                         | —                                              | —                             | 7                   | —                          | 75                       | —                             | 75    | —                           | —             |
| Guatemala .....                       | —                                              | —                             | —                   | —                          | —                        | —                             | —     | —                           | —             |
| India .....                           | —                                              | 485                           | —                   | —                          | —                        | —                             | —     | —                           | —             |
| Indonesia .....                       | —                                              | —                             | —                   | —                          | —                        | —                             | —     | —                           | —             |
| Italy .....                           | —                                              | —                             | —                   | —                          | —                        | —                             | —     | —                           | —             |
| Korea, South .....                    | —                                              | 1,156                         | 274                 | —                          | —                        | —                             | —     | —                           | —             |
| Latvia .....                          | —                                              | —                             | —                   | —                          | —                        | —                             | —     | —                           | —             |
| Lithuania .....                       | —                                              | —                             | —                   | —                          | —                        | —                             | —     | —                           | —             |
| Malaysia .....                        | —                                              | —                             | —                   | —                          | —                        | 368                           | 368   | —                           | —             |
| Mexico .....                          | —                                              | —                             | —                   | —                          | —                        | 1,923                         | 1,923 | 94                          | —             |
| Netherlands .....                     | —                                              | —                             | 24                  | —                          | —                        | 147                           | 147   | 8                           | —             |
| Norway .....                          | —                                              | —                             | —                   | —                          | —                        | —                             | —     | —                           | —             |
| Oman .....                            | —                                              | —                             | —                   | —                          | —                        | —                             | —     | —                           | —             |
| Portugal .....                        | —                                              | —                             | —                   | —                          | —                        | —                             | —     | —                           | —             |
| Qatar .....                           | —                                              | —                             | —                   | —                          | —                        | —                             | —     | —                           | —             |
| Russia .....                          | —                                              | —                             | —                   | —                          | —                        | —                             | —     | —                           | —             |
| Spain .....                           | —                                              | —                             | 37                  | —                          | —                        | —                             | —     | —                           | —             |
| Sweden .....                          | —                                              | —                             | —                   | —                          | 90                       | —                             | 90    | —                           | —             |
| Syria .....                           | —                                              | —                             | —                   | —                          | —                        | —                             | —     | —                           | —             |
| Trinidad and Tobago .....             | —                                              | —                             | —                   | —                          | —                        | —                             | —     | —                           | —             |
| United Kingdom .....                  | —                                              | —                             | —                   | —                          | —                        | —                             | —     | 13                          | —             |
| Vietnam .....                         | —                                              | —                             | —                   | —                          | —                        | —                             | —     | —                           | —             |
| Virgin Islands, U.S. ....             | —                                              | —                             | —                   | —                          | —                        | —                             | —     | —                           | —             |
| Yemen .....                           | —                                              | —                             | —                   | —                          | —                        | —                             | —     | —                           | —             |
| Other .....                           | —                                              | 873                           | 0                   | 438                        | 902                      | 200                           | 1,540 | 46                          | 0             |
| <b>Total</b> .....                    | —                                              | 4,063                         | 463                 | 438                        | 1,470                    | 4,404                         | 6,312 | 283                         | 58            |
| <b>Persian Gulf<sup>1</sup></b> ..... | —                                              | 1,115                         | 28                  | —                          | —                        | 135                           | 135   | —                           | —             |

See footnotes at end of table.

**Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, October 2022**  
(Thousand Barrels) — Continued

| Country of Origin               | Waxes | Petroleum Coke | Asphalt and Road Oil | Lubricants | Miscellaneous Products | Total Products | Total Crude Oil and Products | Daily Average |          |       |
|---------------------------------|-------|----------------|----------------------|------------|------------------------|----------------|------------------------------|---------------|----------|-------|
|                                 |       |                |                      |            |                        |                |                              | Crude Oil     | Products | Total |
| <b>OPEC</b>                     | —     | —              | —                    | 251        | —                      | 8,632          | 37,396                       | 928           | 278      | 1,206 |
| Algeria                         | —     | —              | —                    | —          | —                      | 1,187          | 1,835                        | 21            | 38       | 59    |
| Angola                          | —     | —              | —                    | —          | —                      | 309            | 2,360                        | 66            | 10       | 76    |
| Congo (Brazzaville)             | —     | —              | —                    | —          | —                      | 7              | 939                          | 30            | 0        | 30    |
| Equatorial Guinea               | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Gabon                           | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Iran                            | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Iraq                            | —     | —              | —                    | —          | —                      | 3,102          | 9,136                        | 195           | 100      | 295   |
| Kuwait                          | —     | —              | —                    | —          | —                      | 1,115          | 2,374                        | 41            | 36       | 77    |
| Libya                           | —     | —              | —                    | —          | —                      | —              | 3,741                        | 121           | —        | 121   |
| Nigeria                         | —     | —              | —                    | —          | —                      | 334            | 1,601                        | 41            | 11       | 52    |
| Saudi Arabia                    | —     | —              | —                    | —          | —                      | 2,057          | 14,889                       | 414           | 66       | 480   |
| United Arab Emirates            | —     | —              | —                    | 251        | —                      | 521            | 521                          | —             | 17       | 17    |
| Venezuela                       | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| <b>Non-OPEC</b>                 | 194   | 377            | 1,563                | 1,951      | 1                      | 50,127         | 214,710                      | 5,309         | 1,617    | 6,926 |
| Argentina                       | —     | —              | —                    | 5          | —                      | 459            | 3,221                        | 89            | 15       | 104   |
| Aruba                           | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Australia                       | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Bahamas                         | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Bahrain                         | —     | —              | —                    | 28         | —                      | 163            | 163                          | —             | 5        | 5     |
| Belgium                         | —     | —              | —                    | 2          | —                      | 722            | 722                          | —             | 23       | 23    |
| Brazil                          | —     | 226            | —                    | —          | —                      | 1,569          | 7,693                        | 198           | 51       | 248   |
| Brunei                          | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Cameroon                        | —     | —              | —                    | —          | —                      | 1              | 1                            | —             | 0        | 0     |
| Canada                          | 78    | 22             | 1,385                | 295        | 1                      | 15,203         | 131,312                      | 3,745         | 490      | 4,236 |
| Chad                            | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| China                           | 72    | —              | —                    | —          | —                      | 307            | 307                          | —             | 10       | 10    |
| Colombia                        | —     | 112            | —                    | —          | —                      | 1,002          | 7,801                        | 219           | 32       | 252   |
| Denmark                         | —     | —              | —                    | —          | —                      | 11             | 11                           | —             | 0        | 0     |
| Ecuador                         | —     | —              | —                    | —          | —                      | 1,194          | 4,688                        | 113           | 39       | 151   |
| Egypt                           | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Estonia                         | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Finland                         | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| France                          | —     | —              | —                    | 13         | —                      | 177            | 177                          | —             | 6        | 6     |
| Germany                         | —     | —              | —                    | 18         | —                      | 448            | 448                          | —             | 14       | 14    |
| Guatemala                       | —     | —              | —                    | —          | —                      | —              | 279                          | 9             | —        | 9     |
| India                           | —     | —              | —                    | 1          | —                      | 2,303          | 2,303                        | —             | 74       | 74    |
| Indonesia                       | —     | —              | —                    | 167        | —                      | 167            | 167                          | —             | 5        | 5     |
| Italy                           | —     | —              | —                    | 53         | —                      | 2,094          | 2,094                        | —             | 68       | 68    |
| Korea, South                    | 1     | —              | —                    | 671        | —                      | 2,818          | 2,818                        | —             | 91       | 91    |
| Latvia                          | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Lithuania                       | —     | —              | —                    | —          | —                      | 113            | 113                          | —             | 4        | 4     |
| Malaysia                        | 20    | —              | —                    | —          | —                      | 2,226          | 2,226                        | —             | 72       | 72    |
| Mexico                          | —     | —              | —                    | —          | —                      | 5,739          | 26,863                       | 681           | 185      | 867   |
| Netherlands                     | —     | —              | —                    | 134        | —                      | 1,527          | 1,527                        | —             | 49       | 49    |
| Norway                          | —     | —              | —                    | —          | —                      | 916            | 1,106                        | 6             | 30       | 36    |
| Oman                            | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Portugal                        | —     | —              | —                    | —          | —                      | 1,128          | 1,128                        | —             | 36       | 36    |
| Qatar                           | —     | —              | —                    | 556        | —                      | 556            | 556                          | —             | 18       | 18    |
| Russia                          | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Spain                           | —     | —              | —                    | —          | —                      | 1,466          | 1,466                        | —             | 47       | 47    |
| Sweden                          | —     | —              | —                    | 1          | —                      | 91             | 91                           | —             | 3        | 3     |
| Syria                           | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Trinidad and Tobago             | —     | —              | —                    | —          | —                      | —              | 522                          | 17            | —        | 17    |
| United Kingdom                  | —     | —              | —                    | —          | —                      | 2,958          | 5,056                        | 68            | 95       | 163   |
| Vietnam                         | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Virgin Islands, U.S.            | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Yemen                           | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Other                           | 23    | 17             | 178                  | 7          | 0                      | 4,769          | 9,851                        | 164           | 155      | 318   |
| <b>Total</b>                    | 194   | 377            | 1,563                | 2,202      | 1                      | 58,759         | 252,106                      | 6,237         | 1,895    | 8,132 |
| <b>Persian Gulf<sup>4</sup></b> | —     | —              | —                    | 835        | —                      | 7,514          | 27,639                       | 649           | 242      | 892   |

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

<sup>4</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-October 2022**  
(Thousand Barrels)

| Country of Origin                     | Crude Oil <sup>1,2</sup> | Natural Gas Liquids | Refinery Olefins | Unfinished Oils <sup>1</sup> | Finished Motor Gasoline |               |               | Motor Gasoline Blending Components |                |                |
|---------------------------------------|--------------------------|---------------------|------------------|------------------------------|-------------------------|---------------|---------------|------------------------------------|----------------|----------------|
|                                       |                          |                     |                  |                              | Reformulated            | Conventional  | Total         | Reformulated                       | Conventional   | Total          |
| <b>OPEC</b> .....                     | <b>292,754</b>           | <b>1,445</b>        | <b>—</b>         | <b>56,953</b>                | <b>—</b>                | <b>722</b>    | <b>722</b>    | <b>1,380</b>                       | <b>10,251</b>  | <b>11,631</b>  |
| Algeria .....                         | 3,228                    | 506                 | —                | 11,068                       | —                       | —             | —             | 18                                 | 164            | 182            |
| Angola .....                          | 14,525                   | 16                  | —                | 190                          | —                       | 18            | 18            | —                                  | 972            | 972            |
| Congo (Brazzaville) .....             | 1,897                    | —                   | —                | 7                            | —                       | —             | —             | —                                  | —              | —              |
| Equatorial Guinea .....               | —                        | 813                 | —                | —                            | —                       | —             | —             | —                                  | —              | —              |
| Gabon .....                           | 708                      | —                   | —                | —                            | —                       | —             | —             | —                                  | —              | —              |
| Iran .....                            | 507                      | —                   | —                | —                            | —                       | —             | —             | —                                  | —              | —              |
| Iraq .....                            | 72,655                   | —                   | —                | 18,908                       | —                       | —             | —             | —                                  | —              | —              |
| Kuwait .....                          | 7,064                    | —                   | —                | 2,311                        | —                       | —             | —             | —                                  | —              | 17             |
| Libya .....                           | 23,533                   | —                   | —                | 46                           | —                       | —             | —             | —                                  | —              | —              |
| Nigeria .....                         | 26,651                   | 110                 | —                | 717                          | —                       | —             | —             | —                                  | 2,231          | 2,231          |
| Saudi Arabia .....                    | 137,598                  | —                   | —                | 17,653                       | —                       | 704           | 704           | 1,063                              | 6,663          | 7,726          |
| United Arab Emirates .....            | 4,388                    | —                   | —                | 6,053                        | —                       | —             | —             | 282                                | 221            | 503            |
| Venezuela .....                       | —                        | —                   | —                | —                            | —                       | —             | —             | —                                  | —              | —              |
| <b>Non-OPEC</b> .....                 | <b>1,625,688</b>         | <b>45,634</b>       | <b>4,541</b>     | <b>101,864</b>               | <b>—</b>                | <b>29,817</b> | <b>29,817</b> | <b>46,316</b>                      | <b>107,752</b> | <b>154,068</b> |
| Argentina .....                       | 17,892                   | 55                  | —                | 146                          | —                       | 30            | 30            | —                                  | 1,977          | 1,977          |
| Aruba .....                           | —                        | —                   | —                | —                            | —                       | —             | —             | —                                  | —              | —              |
| Australia .....                       | 700                      | —                   | —                | —                            | —                       | —             | —             | —                                  | —              | —              |
| Bahamas .....                         | —                        | —                   | —                | —                            | —                       | 3,174         | 3,174         | —                                  | 2,606          | 2,606          |
| Bahrain .....                         | —                        | —                   | —                | —                            | —                       | —             | —             | —                                  | —              | —              |
| Belgium .....                         | —                        | —                   | —                | 850                          | —                       | 3,199         | 3,199         | 724                                | 1,480          | 2,204          |
| Brazil .....                          | 43,249                   | —                   | —                | 4,012                        | —                       | —             | —             | —                                  | 2,379          | 2,379          |
| Brunei .....                          | —                        | —                   | —                | —                            | —                       | —             | —             | —                                  | 287            | 287            |
| Cameroon .....                        | —                        | —                   | —                | —                            | —                       | —             | —             | —                                  | —              | —              |
| Canada .....                          | 1,162,660                | 45,072              | 4,490            | 7,476                        | —                       | 4,326         | 4,326         | 19,588                             | 14,958         | 34,546         |
| Chad .....                            | —                        | —                   | —                | —                            | —                       | —             | —             | —                                  | —              | —              |
| China .....                           | —                        | —                   | —                | —                            | —                       | —             | —             | —                                  | —              | —              |
| Colombia .....                        | 68,629                   | —                   | —                | 727                          | —                       | —             | —             | —                                  | 14             | 14             |
| Denmark .....                         | —                        | —                   | —                | —                            | —                       | 1             | 1             | 10                                 | 168            | 178            |
| Ecuador .....                         | 42,864                   | —                   | —                | 5,959                        | —                       | —             | —             | —                                  | —              | —              |
| Egypt .....                           | —                        | —                   | —                | 1,366                        | —                       | —             | —             | —                                  | —              | —              |
| Estonia .....                         | —                        | —                   | —                | —                            | —                       | —             | —             | —                                  | —              | —              |
| Finland .....                         | —                        | —                   | —                | 100                          | —                       | 41            | 41            | —                                  | 4,868          | 4,868          |
| France .....                          | —                        | —                   | —                | 1,643                        | —                       | 1,927         | 1,927         | 1,179                              | 2,777          | 3,956          |
| Germany .....                         | —                        | 2                   | —                | 83                           | —                       | 334           | 334           | —                                  | 695            | 695            |
| Guatemala .....                       | 868                      | —                   | —                | —                            | —                       | —             | —             | —                                  | —              | —              |
| India .....                           | —                        | —                   | —                | 1,444                        | —                       | 400           | 400           | 677                                | 18,920         | 19,597         |
| Indonesia .....                       | 1,184                    | —                   | —                | —                            | —                       | —             | —             | —                                  | —              | —              |
| Italy .....                           | —                        | —                   | —                | 2,516                        | —                       | 1,856         | 1,856         | 164                                | 6,674          | 6,838          |
| Korea, South .....                    | —                        | 7                   | —                | —                            | —                       | 4,363         | 4,363         | —                                  | 4,673          | 4,673          |
| Latvia .....                          | —                        | —                   | —                | —                            | —                       | —             | —             | —                                  | —              | —              |
| Lithuania .....                       | —                        | —                   | —                | 113                          | —                       | 1,359         | 1,359         | —                                  | 726            | 726            |
| Malaysia .....                        | —                        | —                   | —                | 4,778                        | —                       | —             | —             | —                                  | 621            | 621            |
| Mexico .....                          | 199,869                  | —                   | 25               | 21,948                       | —                       | —             | —             | —                                  | 1,321          | 1,321          |
| Netherlands .....                     | —                        | —                   | —                | 2,444                        | —                       | 2,973         | 2,973         | 9,503                              | 5,454          | 14,957         |
| Norway .....                          | 6,089                    | 196                 | —                | —                            | —                       | 1,087         | 1,087         | 1,795                              | 2,655          | 4,450          |
| Oman .....                            | —                        | —                   | —                | 298                          | —                       | —             | —             | —                                  | 308            | 308            |
| Portugal .....                        | —                        | —                   | —                | —                            | —                       | 348           | 348           | 3                                  | 7,062          | 7,065          |
| Qatar .....                           | —                        | —                   | —                | 566                          | —                       | 8             | 8             | 8                                  | 12             | 20             |
| Russia .....                          | 7,390                    | —                   | —                | 35,999                       | —                       | 331           | 331           | —                                  | 2,302          | 2,302          |
| Spain .....                           | —                        | —                   | —                | 841                          | —                       | 1,091         | 1,091         | 328                                | 8,288          | 8,616          |
| Sweden .....                          | —                        | —                   | —                | —                            | —                       | 239           | 239           | 11                                 | 1,594          | 1,605          |
| Syria .....                           | —                        | —                   | —                | —                            | —                       | —             | —             | —                                  | —              | —              |
| Trinidad and Tobago .....             | 12,531                   | 213                 | —                | —                            | —                       | 39            | 39            | —                                  | —              | —              |
| United Kingdom .....                  | 11,858                   | —                   | —                | 678                          | —                       | 1,824         | 1,824         | 11,729                             | 4,763          | 16,492         |
| Vietnam .....                         | —                        | —                   | —                | —                            | —                       | —             | —             | —                                  | —              | —              |
| Virgin Islands, U.S. ....             | —                        | —                   | —                | —                            | —                       | —             | —             | —                                  | —              | —              |
| Yemen .....                           | —                        | —                   | —                | —                            | —                       | —             | —             | —                                  | —              | —              |
| Other .....                           | 49,905                   | 89                  | 26               | 7,877                        | —                       | 867           | 867           | 597                                | 10,170         | 10,767         |
| <b>Total</b> .....                    | <b>1,918,442</b>         | <b>47,079</b>       | <b>4,541</b>     | <b>158,817</b>               | <b>—</b>                | <b>30,539</b> | <b>30,539</b> | <b>47,696</b>                      | <b>118,003</b> | <b>165,699</b> |
| <b>Persian Gulf<sup>4</sup></b> ..... | <b>222,212</b>           | <b>—</b>            | <b>—</b>         | <b>45,491</b>                | <b>—</b>                | <b>712</b>    | <b>712</b>    | <b>1,370</b>                       | <b>6,896</b>   | <b>8,266</b>   |

See footnotes at end of table.

**Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-October 2022**  
(Thousand Barrels) — Continued

| Country of Origin                     | Biofuels     |           |                       |                             | Distillate Fuel Oil     |                                       |                 |                       |        | Kerosene | Finished Aviation Gasoline |
|---------------------------------------|--------------|-----------|-----------------------|-----------------------------|-------------------------|---------------------------------------|-----------------|-----------------------|--------|----------|----------------------------|
|                                       | Fuel Ethanol | Biodiesel | Renewable Diesel Fuel | Other Biofuels <sup>3</sup> | 15 ppm sulfur and under | Greater than 15 ppm to 500 ppm sulfur | 501 to 2000 ppm | Greater than 2000 ppm | Total  |          |                            |
| <b>OPEC</b> .....                     | —            | —         | 10                    | —                           | 3,110                   | —                                     | —               | —                     | 3,110  | —        | —                          |
| Algeria .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Angola .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Congo (Brazzaville) .....             | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Equatorial Guinea .....               | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Gabon .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Iran .....                            | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Iraq .....                            | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Kuwait .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Libya .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Nigeria .....                         | —            | —         | —                     | —                           | 645                     | —                                     | —               | —                     | 645    | —        | —                          |
| Saudi Arabia .....                    | —            | —         | —                     | —                           | 2,417                   | —                                     | —               | —                     | 2,417  | —        | —                          |
| United Arab Emirates .....            | —            | —         | 10                    | —                           | 48                      | —                                     | —               | —                     | 48     | —        | —                          |
| Venezuela .....                       | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| <b>Non-OPEC</b> .....                 | 1,145        | 4,196     | 4,882                 | 62                          | 50,233                  | 1,395                                 | 309             | 190                   | 52,127 | 18       | 293                        |
| Argentina .....                       | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Aruba .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Australia .....                       | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Bahamas .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Bahrain .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Belgium .....                         | —            | —         | —                     | —                           | 776                     | —                                     | 62              | —                     | 838    | —        | —                          |
| Brazil .....                          | 1,138        | —         | —                     | —                           | —                       | 25                                    | —               | —                     | 25     | —        | —                          |
| Brunei .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Cameroon .....                        | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Canada .....                          | 7            | 2,331     | —                     | —                           | 38,980                  | 110                                   | 137             | —                     | 39,227 | —        | 66                         |
| Chad .....                            | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| China .....                           | —            | —         | —                     | —                           | 1                       | —                                     | —               | —                     | 1      | —        | —                          |
| Colombia .....                        | —            | —         | —                     | —                           | 717                     | —                                     | —               | —                     | 717    | —        | —                          |
| Denmark .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Ecuador .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | 190                   | 190    | —        | —                          |
| Egypt .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Estonia .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | 49                         |
| Finland .....                         | —            | —         | —                     | 50                          | —                       | —                                     | —               | —                     | —      | —        | —                          |
| France .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Germany .....                         | —            | 1,076     | —                     | —                           | 20                      | —                                     | —               | —                     | 20     | —        | —                          |
| Guatemala .....                       | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| India .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Indonesia .....                       | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Italy .....                           | —            | 117       | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Korea, South .....                    | —            | 182       | —                     | —                           | 1,073                   | 1,260                                 | —               | —                     | 2,333  | 18       | 13                         |
| Latvia .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Lithuania .....                       | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Malaysia .....                        | —            | —         | —                     | 1                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Mexico .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Netherlands .....                     | —            | —         | 94                    | —                           | 2,850                   | —                                     | —               | —                     | 2,850  | —        | 165                        |
| Norway .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Oman .....                            | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Portugal .....                        | —            | —         | —                     | —                           | 256                     | —                                     | —               | —                     | 256    | —        | —                          |
| Qatar .....                           | —            | —         | —                     | —                           | 3,004                   | —                                     | —               | —                     | 3,004  | —        | —                          |
| Russia .....                          | —            | —         | —                     | —                           | 2,157                   | —                                     | 110             | —                     | 2,267  | —        | —                          |
| Spain .....                           | —            | 490       | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Sweden .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Syria .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Trinidad and Tobago .....             | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| United Kingdom .....                  | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Vietnam .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Virgin Islands, U.S. ....             | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Yemen .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Other .....                           | 0            | 0         | 4,788                 | 11                          | 399                     | 0                                     | 0               | 0                     | 399    | 0        | 0                          |
| <b>Total</b> .....                    | 1,145        | 4,196     | 4,892                 | 62                          | 53,343                  | 1,395                                 | 309             | 190                   | 55,237 | 18       | 293                        |
| <b>Persian Gulf<sup>4</sup></b> ..... | —            | —         | 10                    | —                           | 5,469                   | —                                     | —               | —                     | 5,469  | —        | —                          |

See footnotes at end of table.



**Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-October 2022**  
(Thousand Barrels) — Continued

| Country of Origin               | Aviation Gasoline Blending Components | Kerosene-Type Jet Fuel | Special Naphthas | Residual Fuel Oil       |                       |                            |        | Petrochemical Feedstocks |            |
|---------------------------------|---------------------------------------|------------------------|------------------|-------------------------|-----------------------|----------------------------|--------|--------------------------|------------|
|                                 |                                       |                        |                  | Less than 0.31 % sulfur | 0.31 to 1.00 % sulfur | Greater than 1.00 % sulfur | Total  | Naphtha                  | Other Oils |
| <b>OPEC</b>                     | —                                     | 2,966                  | 28               | 1,229                   | 62                    | 2,557                      | 3,848  | 70                       | —          |
| Algeria                         | —                                     | —                      | —                | 1,229                   | —                     | 5                          | 1,234  | —                        | —          |
| Angola                          | —                                     | —                      | —                | —                       | —                     | —                          | —      | 70                       | —          |
| Congo (Brazzaville)             | —                                     | —                      | —                | —                       | 62                    | 30                         | 92     | —                        | —          |
| Equatorial Guinea               | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Gabon                           | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Iran                            | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Iraq                            | —                                     | —                      | —                | —                       | —                     | 609                        | 609    | —                        | —          |
| Kuwait                          | —                                     | 2,295                  | —                | —                       | —                     | —                          | —      | —                        | —          |
| Libya                           | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Nigeria                         | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Saudi Arabia                    | —                                     | 396                    | 28               | —                       | —                     | 1,909                      | 1,909  | —                        | —          |
| United Arab Emirates            | —                                     | 275                    | —                | —                       | —                     | 4                          | 4      | —                        | —          |
| Venezuela                       | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| <b>Non-OPEC</b>                 | —                                     | 32,722                 | 4,233            | 1,259                   | 9,115                 | 51,551                     | 61,925 | 3,573                    | 961        |
| Argentina                       | —                                     | —                      | —                | —                       | —                     | 1                          | 1      | —                        | 113        |
| Aruba                           | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Australia                       | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Bahamas                         | —                                     | —                      | —                | —                       | 32                    | 829                        | 861    | —                        | —          |
| Bahrain                         | —                                     | —                      | —                | —                       | —                     | 135                        | 135    | —                        | —          |
| Belgium                         | —                                     | 14                     | —                | —                       | 548                   | 684                        | 1,232  | —                        | —          |
| Brazil                          | —                                     | —                      | —                | —                       | 92                    | 5,451                      | 5,543  | —                        | —          |
| Brunei                          | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Cameroon                        | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Canada                          | —                                     | 3,224                  | 1,123            | 371                     | 928                   | 4,293                      | 5,592  | 910                      | 722        |
| Chad                            | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| China                           | —                                     | 1,468                  | —                | —                       | —                     | —                          | —      | —                        | —          |
| Colombia                        | —                                     | —                      | —                | —                       | 225                   | 4,248                      | 4,473  | —                        | —          |
| Denmark                         | —                                     | —                      | —                | —                       | 384                   | —                          | 384    | —                        | —          |
| Ecuador                         | —                                     | —                      | —                | —                       | 100                   | 1,068                      | 1,168  | —                        | —          |
| Egypt                           | —                                     | —                      | —                | —                       | 27                    | —                          | 27     | —                        | —          |
| Estonia                         | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Finland                         | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| France                          | —                                     | —                      | —                | —                       | —                     | 102                        | 102    | 69                       | 116        |
| Germany                         | —                                     | —                      | 22               | 145                     | 464                   | 14                         | 623    | —                        | —          |
| Guatemala                       | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| India                           | —                                     | 1,319                  | —                | —                       | —                     | —                          | —      | —                        | —          |
| Indonesia                       | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Italy                           | —                                     | —                      | —                | —                       | —                     | 157                        | 157    | —                        | —          |
| Korea, South                    | —                                     | 17,946                 | 2,774            | —                       | —                     | —                          | —      | 322                      | —          |
| Latvia                          | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Lithuania                       | —                                     | —                      | —                | —                       | —                     | 1,119                      | 1,119  | —                        | —          |
| Malaysia                        | —                                     | —                      | —                | —                       | —                     | 537                        | 537    | —                        | —          |
| Mexico                          | —                                     | 10                     | 37               | —                       | 616                   | 26,429                     | 27,045 | 969                      | —          |
| Netherlands                     | —                                     | —                      | 33               | —                       | 533                   | 1,000                      | 1,533  | 8                        | —          |
| Norway                          | —                                     | —                      | —                | —                       | 361                   | —                          | 361    | —                        | —          |
| Oman                            | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Portugal                        | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Qatar                           | —                                     | 442                    | —                | —                       | —                     | —                          | —      | 9                        | —          |
| Russia                          | —                                     | —                      | —                | —                       | 1,097                 | 4,388                      | 5,485  | —                        | —          |
| Spain                           | —                                     | —                      | 38               | —                       | 683                   | 8                          | 691    | 25                       | —          |
| Sweden                          | —                                     | —                      | —                | —                       | 225                   | —                          | 225    | —                        | —          |
| Syria                           | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Trinidad and Tobago             | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| United Kingdom                  | —                                     | —                      | —                | —                       | 419                   | 11                         | 430    | 97                       | 10         |
| Vietnam                         | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Virgin Islands, U.S.            | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Yemen                           | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Other                           | —                                     | 8,299                  | 206              | 743                     | 2,381                 | 1,077                      | 4,201  | 1,164                    | 0          |
| <b>Total</b>                    | —                                     | 35,688                 | 4,261            | 2,488                   | 9,177                 | 54,108                     | 65,773 | 3,643                    | 961        |
| <b>Persian Gulf<sup>1</sup></b> | —                                     | 3,408                  | 28               | —                       | —                     | 2,657                      | 2,657  | 9                        | —          |

See footnotes at end of table.

**Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-October 2022**  
(Thousand Barrels) — Continued

| Country of Origin               | Waxes        | Petroleum Coke | Asphalt and Road Oil | Lubricants    | Miscellaneous Products | Total Products | Total Crude Oil and Products | Daily Average |              |              |
|---------------------------------|--------------|----------------|----------------------|---------------|------------------------|----------------|------------------------------|---------------|--------------|--------------|
|                                 |              |                |                      |               |                        |                |                              | Crude Oil     | Products     | Total        |
| <b>OPEC</b>                     | —            | 155            | —                    | 2,052         | —                      | 82,990         | 375,744                      | 963           | 273          | 1,236        |
| Algeria                         | —            | —              | —                    | —             | —                      | 12,990         | 16,218                       | 11            | 43           | 53           |
| Angola                          | —            | —              | —                    | —             | —                      | 1,266          | 15,791                       | 48            | 4            | 52           |
| Congo (Brazzaville)             | —            | —              | —                    | —             | —                      | 99             | 1,996                        | 6             | 0            | 7            |
| Equatorial Guinea               | —            | —              | —                    | —             | —                      | 813            | 813                          | —             | 3            | 3            |
| Gabon                           | —            | —              | —                    | —             | —                      | —              | 708                          | 2             | —            | 2            |
| Iran                            | —            | —              | —                    | —             | —                      | —              | 507                          | 2             | —            | 2            |
| Iraq                            | —            | —              | —                    | —             | —                      | 19,517         | 92,172                       | 239           | 64           | 303          |
| Kuwait                          | —            | 155            | —                    | —             | —                      | 4,778          | 11,842                       | 23            | 16           | 39           |
| Libya                           | —            | —              | —                    | —             | —                      | 46             | 23,579                       | 77            | 0            | 78           |
| Nigeria                         | —            | —              | —                    | —             | —                      | 3,703          | 30,354                       | 88            | 12           | 100          |
| Saudi Arabia                    | —            | —              | —                    | 29            | —                      | 30,862         | 168,460                      | 453           | 102          | 554          |
| United Arab Emirates            | —            | —              | —                    | 2,023         | —                      | 8,916          | 13,304                       | 14            | 29           | 44           |
| Venezuela                       | —            | —              | —                    | —             | —                      | —              | —                            | —             | —            | —            |
| <b>Non-OPEC</b>                 | 1,819        | 3,015          | 16,513               | 13,248        | 10                     | 536,742        | 2,162,430                    | 5,348         | 1,766        | 7,113        |
| Argentina                       | —            | 824            | —                    | 44            | —                      | 3,190          | 21,082                       | 59            | 10           | 69           |
| Aruba                           | —            | —              | —                    | —             | —                      | —              | —                            | —             | —            | —            |
| Australia                       | —            | —              | —                    | —             | —                      | —              | 700                          | 2             | —            | 2            |
| Bahamas                         | —            | —              | —                    | —             | —                      | 6,641          | 6,641                        | —             | 22           | 22           |
| Bahrain                         | —            | —              | —                    | 622           | —                      | 757            | 757                          | —             | 2            | 2            |
| Belgium                         | —            | —              | —                    | 31            | —                      | 8,368          | 8,368                        | —             | 28           | 28           |
| Brazil                          | —            | 1,302          | —                    | —             | —                      | 14,452         | 57,701                       | 142           | 48           | 190          |
| Brunei                          | —            | —              | —                    | —             | —                      | 287            | 287                          | —             | 1            | 1            |
| Cameroon                        | —            | —              | —                    | —             | —                      | 1              | 1                            | —             | 0            | 0            |
| Canada                          | 960          | 214            | 15,131               | 2,909         | 10                     | 168,336        | 1,330,996                    | 3,825         | 554          | 4,378        |
| Chad                            | —            | —              | —                    | —             | —                      | —              | —                            | —             | —            | —            |
| China                           | 277          | —              | —                    | —             | —                      | 1,776          | 1,776                        | —             | 6            | 6            |
| Colombia                        | —            | 112            | 230                  | —             | —                      | 6,273          | 74,902                       | 226           | 21           | 246          |
| Denmark                         | —            | —              | —                    | 23            | —                      | 586            | 586                          | —             | 2            | 2            |
| Ecuador                         | —            | —              | —                    | —             | —                      | 7,317          | 50,181                       | 141           | 24           | 165          |
| Egypt                           | 22           | —              | —                    | —             | —                      | 1,415          | 1,415                        | —             | 5            | 5            |
| Estonia                         | —            | —              | —                    | —             | —                      | 49             | 49                           | —             | 0            | 0            |
| Finland                         | —            | —              | —                    | —             | —                      | 5,059          | 5,059                        | —             | 17           | 17           |
| France                          | —            | —              | —                    | 111           | —                      | 7,924          | 7,924                        | —             | 26           | 26           |
| Germany                         | —            | 139            | —                    | 132           | —                      | 3,126          | 3,126                        | —             | 10           | 10           |
| Guatemala                       | —            | —              | —                    | —             | —                      | —              | 868                          | 3             | —            | 3            |
| India                           | —            | —              | —                    | 7             | —                      | 22,767         | 22,767                       | —             | 75           | 75           |
| Indonesia                       | —            | —              | —                    | 1,153         | —                      | 1,153          | 2,337                        | 4             | 4            | 8            |
| Italy                           | —            | —              | 98                   | 149           | —                      | 11,731         | 11,731                       | —             | 39           | 39           |
| Korea, South                    | 7            | —              | —                    | 3,776         | —                      | 36,414         | 36,414                       | —             | 120          | 120          |
| Latvia                          | —            | —              | —                    | —             | —                      | —              | —                            | —             | —            | —            |
| Lithuania                       | —            | —              | —                    | —             | —                      | 3,317          | 3,317                        | —             | 11           | 11           |
| Malaysia                        | 169          | —              | —                    | —             | —                      | 6,106          | 6,106                        | —             | 20           | 20           |
| Mexico                          | 4            | —              | —                    | —             | —                      | 51,359         | 251,228                      | 657           | 169          | 826          |
| Netherlands                     | —            | —              | —                    | 617           | —                      | 25,674         | 25,674                       | —             | 84           | 84           |
| Norway                          | —            | —              | —                    | —             | —                      | 6,094          | 12,183                       | 20            | 20           | 40           |
| Oman                            | —            | 133            | —                    | 65            | —                      | 804            | 804                          | —             | 3            | 3            |
| Portugal                        | —            | —              | —                    | —             | —                      | 7,669          | 7,669                        | —             | 25           | 25           |
| Qatar                           | —            | —              | —                    | 3,449         | —                      | 7,498          | 7,498                        | —             | 25           | 25           |
| Russia                          | —            | —              | —                    | 5             | —                      | 46,389         | 53,779                       | 24            | 153          | 177          |
| Spain                           | 11           | 202            | 437                  | —             | —                      | 12,442         | 12,442                       | —             | 41           | 41           |
| Sweden                          | —            | 4              | —                    | 5             | —                      | 2,078          | 2,078                        | —             | 7            | 7            |
| Syria                           | —            | —              | —                    | —             | —                      | —              | —                            | —             | —            | —            |
| Trinidad and Tobago             | —            | —              | —                    | —             | —                      | 252            | 12,783                       | 41            | 1            | 42           |
| United Kingdom                  | 62           | 27             | —                    | —             | —                      | 19,620         | 31,478                       | 39            | 65           | 104          |
| Vietnam                         | —            | —              | —                    | —             | —                      | —              | —                            | —             | —            | —            |
| Virgin Islands, U.S.            | —            | —              | —                    | —             | —                      | —              | —                            | —             | —            | —            |
| Yemen                           | —            | —              | —                    | —             | —                      | —              | —                            | —             | —            | —            |
| Other                           | 307          | 58             | 617                  | 150           | 0                      | 39,818         | 89,723                       | 165           | 128          | 294          |
| <b>Total</b>                    | <b>1,819</b> | <b>3,170</b>   | <b>16,513</b>        | <b>15,300</b> | <b>10</b>              | <b>619,732</b> | <b>2,538,174</b>             | <b>6,311</b>  | <b>2,039</b> | <b>8,349</b> |
| <b>Persian Gulf<sup>4</sup></b> | <b>—</b>     | <b>155</b>     | <b>—</b>             | <b>6,123</b>  | <b>—</b>               | <b>72,328</b>  | <b>294,540</b>               | <b>731</b>    | <b>238</b>   | <b>969</b>   |

— = Not Applicable.  
 — = No Data Reported.  
<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.  
<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.  
<sup>3</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.  
<sup>4</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.  
 Note: Totals may not equal sum of components due to independent rounding.  
 Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, October 2022**  
(Thousand Barrels)

| Country of Origin                     | Crude Oil <sup>1,2</sup> | Natural Gas Liquids | Refinery Olefins | Unfinished Oils <sup>1</sup> | Finished Motor Gasoline |              |              | Motor Gasoline Blending Components |              |              |
|---------------------------------------|--------------------------|---------------------|------------------|------------------------------|-------------------------|--------------|--------------|------------------------------------|--------------|--------------|
|                                       |                          |                     |                  |                              | Reformulated            | Conventional | Total        | Reformulated                       | Conventional | Total        |
| <b>OPEC</b> .....                     | <b>11,347</b>            | —                   | —                | <b>123</b>                   | —                       | —            | —            | —                                  | <b>1,083</b> | <b>1,083</b> |
| Algeria .....                         | 648                      | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —            |
| Angola .....                          | 2,051                    | —                   | —                | 90                           | —                       | —            | —            | —                                  | 219          | 219          |
| Congo (Brazzaville) .....             | 932                      | —                   | —                | 7                            | —                       | —            | —            | —                                  | —            | —            |
| Equatorial Guinea .....               | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —            |
| Gabon .....                           | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —            |
| Iran .....                            | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —            |
| Iraq .....                            | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —            |
| Kuwait .....                          | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —            |
| Libya .....                           | 2,456                    | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —            |
| Nigeria .....                         | 1,267                    | —                   | —                | 26                           | —                       | —            | —            | —                                  | 308          | 308          |
| Saudi Arabia .....                    | 3,993                    | —                   | —                | —                            | —                       | —            | —            | —                                  | 556          | 556          |
| United Arab Emirates .....            | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —            |
| Venezuela .....                       | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —            |
| <b>Non-OPEC</b> .....                 | <b>9,646</b>             | <b>530</b>          | <b>50</b>        | <b>1,657</b>                 | —                       | <b>1,278</b> | <b>1,278</b> | <b>3,745</b>                       | <b>4,737</b> | <b>8,482</b> |
| Argentina .....                       | 372                      | —                   | —                | 106                          | —                       | —            | —            | —                                  | 293          | 293          |
| Aruba .....                           | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —            |
| Australia .....                       | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —            |
| Bahamas .....                         | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —            |
| Bahrain .....                         | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —            |
| Belgium .....                         | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | 26           | 26           |
| Brazil .....                          | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —            |
| Brunei .....                          | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —            |
| Cameroon .....                        | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —            |
| Canada .....                          | 2,939                    | 529                 | 50               | —                            | —                       | 314          | 314          | 1,589                              | 130          | 1,719        |
| Chad .....                            | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —            |
| China .....                           | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —            |
| Colombia .....                        | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —            |
| Denmark .....                         | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | 11           | 11           |
| Ecuador .....                         | —                        | —                   | —                | 306                          | —                       | —            | —            | —                                  | —            | —            |
| Egypt .....                           | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —            |
| Estonia .....                         | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —            |
| Finland .....                         | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —            |
| France .....                          | —                        | —                   | —                | —                            | —                       | 49           | 49           | —                                  | —            | —            |
| Germany .....                         | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | 55           | 55           |
| Guatemala .....                       | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —            |
| India .....                           | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | 392          | 392          |
| Indonesia .....                       | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —            |
| Italy .....                           | —                        | —                   | —                | 140                          | —                       | 233          | 233          | —                                  | 1,229        | 1,229        |
| Korea, South .....                    | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —            |
| Latvia .....                          | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —            |
| Lithuania .....                       | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —            |
| Malaysia .....                        | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —            |
| Mexico .....                          | 3,218                    | —                   | —                | 447                          | —                       | —            | —            | —                                  | 130          | 130          |
| Netherlands .....                     | —                        | —                   | —                | 51                           | —                       | 64           | 64           | 250                                | 32           | 282          |
| Norway .....                          | 190                      | —                   | —                | —                            | —                       | 126          | 126          | 454                                | 268          | 722          |
| Oman .....                            | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —            |
| Portugal .....                        | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | 848          | 848          |
| Qatar .....                           | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —            |
| Russia .....                          | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —            |
| Spain .....                           | —                        | —                   | —                | 226                          | —                       | —            | —            | 35                                 | 977          | 1,012        |
| Sweden .....                          | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —            |
| Syria .....                           | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —            |
| Trinidad and Tobago .....             | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —            |
| United Kingdom .....                  | 1,195                    | —                   | —                | 381                          | —                       | 492          | 492          | 1,417                              | 346          | 1,763        |
| Vietnam .....                         | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —            |
| Virgin Islands, U.S. ....             | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —            |
| Yemen .....                           | —                        | —                   | —                | —                            | —                       | —            | —            | —                                  | —            | —            |
| Other .....                           | 1,732                    | 1                   | 0                | 0                            | —                       | 0            | 0            | 0                                  | 0            | 0            |
| <b>Total</b> .....                    | <b>20,993</b>            | <b>530</b>          | <b>50</b>        | <b>1,780</b>                 | —                       | <b>1,278</b> | <b>1,278</b> | <b>3,745</b>                       | <b>5,820</b> | <b>9,565</b> |
| <b>Persian Gulf<sup>4</sup></b> ..... | <b>3,993</b>             | —                   | —                | —                            | —                       | —            | —            | —                                  | <b>556</b>   | <b>556</b>   |

See footnotes at end of table.

**Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, October 2022**  
(Thousand Barrels) — Continued

| Country of Origin                     | Biofuels     |            |                       |                             | Distillate Fuel Oil     |                                       |                 |                       |              | Kerosene | Finished Aviation Gasoline |
|---------------------------------------|--------------|------------|-----------------------|-----------------------------|-------------------------|---------------------------------------|-----------------|-----------------------|--------------|----------|----------------------------|
|                                       | Fuel Ethanol | Biodiesel  | Renewable Diesel Fuel | Other Biofuels <sup>3</sup> | 15 ppm sulfur and under | Greater than 15 ppm to 500 ppm sulfur | 501 to 2000 ppm | Greater than 2000 ppm | Total        |          |                            |
| <b>OPEC</b> .....                     | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Algeria .....                         | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Angola .....                          | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Congo (Brazzaville) .....             | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Equatorial Guinea .....               | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Gabon .....                           | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Iran .....                            | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Iraq .....                            | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Kuwait .....                          | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Libya .....                           | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Nigeria .....                         | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Saudi Arabia .....                    | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| United Arab Emirates .....            | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Venezuela .....                       | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| <b>Non-OPEC</b> .....                 | <b>193</b>   | <b>313</b> | —                     | —                           | <b>2,529</b>            | <b>4</b>                              | —               | —                     | <b>2,533</b> | —        | <b>27</b>                  |
| Argentina .....                       | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Aruba .....                           | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Australia .....                       | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Bahamas .....                         | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Bahrain .....                         | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Belgium .....                         | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Brazil .....                          | 193          | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Brunei .....                          | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Cameroon .....                        | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Canada .....                          | —            | 77         | —                     | —                           | 2,529                   | 4                                     | —               | —                     | 2,533        | —        | 1                          |
| Chad .....                            | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| China .....                           | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Colombia .....                        | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Denmark .....                         | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Ecuador .....                         | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Egypt .....                           | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Estonia .....                         | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Finland .....                         | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| France .....                          | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Germany .....                         | —            | 179        | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Guatemala .....                       | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| India .....                           | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Indonesia .....                       | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Italy .....                           | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Korea, South .....                    | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Latvia .....                          | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Lithuania .....                       | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Malaysia .....                        | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Mexico .....                          | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Netherlands .....                     | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | 26                         |
| Norway .....                          | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Oman .....                            | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Portugal .....                        | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Qatar .....                           | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Russia .....                          | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Spain .....                           | —            | 57         | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Sweden .....                          | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Syria .....                           | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Trinidad and Tobago .....             | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| United Kingdom .....                  | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Vietnam .....                         | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Virgin Islands, U.S. ....             | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Yemen .....                           | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |
| Other .....                           | 0            | 0          | —                     | —                           | 0                       | 0                                     | —               | —                     | 0            | —        | 0                          |
| <b>Total</b> .....                    | <b>193</b>   | <b>313</b> | —                     | —                           | <b>2,529</b>            | <b>4</b>                              | —               | —                     | <b>2,533</b> | —        | <b>27</b>                  |
| <b>Persian Gulf<sup>4</sup></b> ..... | —            | —          | —                     | —                           | —                       | —                                     | —               | —                     | —            | —        | —                          |

See footnotes at end of table.

**Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, October 2022**  
(Thousand Barrels) — Continued

| Country of Origin                     | Aviation Gasoline Blending Components | Kerosene-Type Jet Fuel | Special Naphthas | Residual Fuel Oil       |                       |                            |       | Petrochemical Feedstocks |            |
|---------------------------------------|---------------------------------------|------------------------|------------------|-------------------------|-----------------------|----------------------------|-------|--------------------------|------------|
|                                       |                                       |                        |                  | Less than 0.31 % sulfur | 0.31 to 1.00 % sulfur | Greater than 1.00 % sulfur | Total | Naphtha                  | Other Oils |
| <b>OPEC</b> .....                     | —                                     | 1,115                  | —                | —                       | —                     | —                          | —     | —                        | —          |
| Algeria .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Angola .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Congo (Brazzaville) .....             | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Equatorial Guinea .....               | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Gabon .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Iran .....                            | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Iraq .....                            | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Kuwait .....                          | —                                     | 1,115                  | —                | —                       | —                     | —                          | —     | —                        | —          |
| Libya .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Nigeria .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Saudi Arabia .....                    | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| United Arab Emirates .....            | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Venezuela .....                       | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| <b>Non-OPEC</b> .....                 | —                                     | 626                    | 2                | 438                     | 866                   | 1,178                      | 2,482 | 1                        | —          |
| Argentina .....                       | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Aruba .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Australia .....                       | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Bahamas .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Bahrain .....                         | —                                     | —                      | —                | —                       | —                     | 135                        | 135   | —                        | —          |
| Belgium .....                         | —                                     | —                      | —                | —                       | 360                   | —                          | 360   | —                        | —          |
| Brazil .....                          | —                                     | —                      | —                | —                       | —                     | 125                        | 125   | —                        | —          |
| Brunei .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Cameroon .....                        | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Canada .....                          | —                                     | 141                    | 2                | —                       | —                     | 4                          | 4     | 1                        | —          |
| Chad .....                            | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| China .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Colombia .....                        | —                                     | —                      | —                | —                       | —                     | 494                        | 494   | —                        | —          |
| Denmark .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Ecuador .....                         | —                                     | —                      | —                | —                       | —                     | 122                        | 122   | —                        | —          |
| Egypt .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Estonia .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Finland .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| France .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Germany .....                         | —                                     | —                      | —                | —                       | 75                    | —                          | 75    | —                        | —          |
| Guatemala .....                       | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| India .....                           | —                                     | 485                    | —                | —                       | —                     | —                          | —     | —                        | —          |
| Indonesia .....                       | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Italy .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Korea, South .....                    | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Latvia .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Lithuania .....                       | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Malaysia .....                        | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Mexico .....                          | —                                     | —                      | —                | —                       | —                     | 98                         | 98    | —                        | —          |
| Netherlands .....                     | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Norway .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Oman .....                            | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Portugal .....                        | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Qatar .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Russia .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Spain .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Sweden .....                          | —                                     | —                      | —                | —                       | 90                    | —                          | 90    | —                        | —          |
| Syria .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Trinidad and Tobago .....             | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| United Kingdom .....                  | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Vietnam .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Virgin Islands, U.S. ....             | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Yemen .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Other .....                           | —                                     | 0                      | 0                | 438                     | 341                   | 200                        | 979   | 0                        | —          |
| <b>Total</b> .....                    | —                                     | 1,741                  | 2                | 438                     | 866                   | 1,178                      | 2,482 | 1                        | —          |
| <b>Persian Gulf<sup>1</sup></b> ..... | —                                     | 1,115                  | —                | —                       | —                     | 135                        | 135   | —                        | —          |

See footnotes at end of table.

**Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, October 2022**  
(Thousand Barrels) — Continued

| Country of Origin               | Waxes | Petroleum Coke | Asphalt and Road Oil | Lubricants | Miscellaneous Products | Total Products | Total Crude Oil and Products | Daily Average |          |       |
|---------------------------------|-------|----------------|----------------------|------------|------------------------|----------------|------------------------------|---------------|----------|-------|
|                                 |       |                |                      |            |                        |                |                              | Crude Oil     | Products | Total |
| <b>OPEC</b>                     | —     | —              | —                    | 43         | —                      | 2,364          | 13,711                       | 366           | 76       | 442   |
| Algeria                         | —     | —              | —                    | —          | —                      | —              | 648                          | 21            | —        | 21    |
| Angola                          | —     | —              | —                    | —          | —                      | 309            | 2,360                        | 66            | 10       | 76    |
| Congo (Brazzaville)             | —     | —              | —                    | —          | —                      | 7              | 939                          | 30            | 0        | 30    |
| Equatorial Guinea               | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Gabon                           | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Iran                            | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Iraq                            | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Kuwait                          | —     | —              | —                    | —          | —                      | 1,115          | 1,115                        | —             | 36       | 36    |
| Libya                           | —     | —              | —                    | —          | —                      | —              | 2,456                        | 79            | —        | 79    |
| Nigeria                         | —     | —              | —                    | —          | —                      | 334            | 1,601                        | 41            | 11       | 52    |
| Saudi Arabia                    | —     | —              | —                    | —          | —                      | 556            | 4,549                        | 129           | 18       | 147   |
| United Arab Emirates            | —     | —              | —                    | 43         | —                      | 43             | 43                           | —             | 1        | 1     |
| Venezuela                       | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| <b>Non-OPEC</b>                 | 95    | —              | 1,040                | 128        | —                      | 19,437         | 29,083                       | 311           | 627      | 938   |
| Argentina                       | —     | —              | —                    | —          | —                      | 399            | 771                          | 12            | 13       | 25    |
| Aruba                           | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Australia                       | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Bahamas                         | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Bahrain                         | —     | —              | —                    | —          | —                      | 135            | 135                          | —             | 4        | 4     |
| Belgium                         | —     | —              | —                    | —          | —                      | 386            | 386                          | —             | 12       | 12    |
| Brazil                          | —     | —              | —                    | —          | —                      | 318            | 318                          | —             | 10       | 10    |
| Brunei                          | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Cameroon                        | —     | —              | —                    | —          | —                      | 1              | 1                            | —             | 0        | 0     |
| Canada                          | 68    | —              | 862                  | 65         | —                      | 6,366          | 9,305                        | 95            | 205      | 300   |
| Chad                            | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| China                           | 25    | —              | —                    | —          | —                      | 25             | 25                           | —             | 1        | 1     |
| Colombia                        | —     | —              | —                    | —          | —                      | 494            | 494                          | —             | 16       | 16    |
| Denmark                         | —     | —              | —                    | —          | —                      | 11             | 11                           | —             | 0        | 0     |
| Ecuador                         | —     | —              | —                    | —          | —                      | 428            | 428                          | —             | 14       | 14    |
| Egypt                           | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Estonia                         | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Finland                         | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| France                          | —     | —              | —                    | 8          | —                      | 57             | 57                           | —             | 2        | 2     |
| Germany                         | —     | —              | —                    | 10         | —                      | 319            | 319                          | —             | 10       | 10    |
| Guatemala                       | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| India                           | —     | —              | —                    | —          | —                      | 877            | 877                          | —             | 28       | 28    |
| Indonesia                       | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Italy                           | —     | —              | —                    | 7          | —                      | 1,609          | 1,609                        | —             | 52       | 52    |
| Korea, South                    | 1     | —              | —                    | —          | —                      | 1              | 1                            | —             | 0        | 0     |
| Latvia                          | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Lithuania                       | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Malaysia                        | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Mexico                          | —     | —              | —                    | —          | —                      | 675            | 3,893                        | 104           | 22       | 126   |
| Netherlands                     | —     | —              | —                    | 31         | —                      | 454            | 454                          | —             | 15       | 15    |
| Norway                          | —     | —              | —                    | —          | —                      | 848            | 1,038                        | 6             | 27       | 33    |
| Oman                            | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Portugal                        | —     | —              | —                    | —          | —                      | 848            | 848                          | —             | 27       | 27    |
| Qatar                           | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Russia                          | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Spain                           | —     | —              | —                    | —          | —                      | 1,295          | 1,295                        | —             | 42       | 42    |
| Sweden                          | —     | —              | —                    | 1          | —                      | 91             | 91                           | —             | 3        | 3     |
| Syria                           | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Trinidad and Tobago             | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| United Kingdom                  | —     | —              | —                    | —          | —                      | 2,636          | 3,831                        | 39            | 85       | 124   |
| Vietnam                         | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Virgin Islands, U.S.            | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Yemen                           | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Other                           | 1     | —              | 178                  | 6          | —                      | 1,164          | 2,896                        | 55            | 39       | 94    |
| <b>Total</b>                    | 95    | —              | 1,040                | 171        | —                      | 21,801         | 42,794                       | 677           | 703      | 1,380 |
| <b>Persian Gulf<sup>4</sup></b> | —     | —              | —                    | 43         | —                      | 1,849          | 5,842                        | 129           | 60       | 188   |

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

<sup>4</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."



**Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, October 2022**  
(Thousand Barrels)

| Country of Origin                     | Crude Oil <sup>1,2</sup> | Natural Gas Liquids | Refinery Olefins | Unfinished Oils <sup>1</sup> | Finished Motor Gasoline |              |       | Motor Gasoline Blending Components |              |            |
|---------------------------------------|--------------------------|---------------------|------------------|------------------------------|-------------------------|--------------|-------|------------------------------------|--------------|------------|
|                                       |                          |                     |                  |                              | Reformulated            | Conventional | Total | Reformulated                       | Conventional | Total      |
| <b>OPEC</b> .....                     | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Algeria .....                         | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Angola .....                          | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Congo (Brazzaville) .....             | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Equatorial Guinea .....               | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Gabon .....                           | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Iran .....                            | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Iraq .....                            | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Kuwait .....                          | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Libya .....                           | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Nigeria .....                         | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Saudi Arabia .....                    | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| United Arab Emirates .....            | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Venezuela .....                       | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| <b>Non-OPEC</b> .....                 | <b>81,962</b>            | <b>2,772</b>        | <b>210</b>       | -                            | -                       | -            | -     | -                                  | <b>404</b>   | <b>404</b> |
| Argentina .....                       | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Aruba .....                           | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Australia .....                       | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Bahamas .....                         | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Bahrain .....                         | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Belgium .....                         | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Brazil .....                          | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Brunei .....                          | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Cameroon .....                        | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Canada .....                          | 81,962                   | 2,772               | 210              | -                            | -                       | -            | -     | -                                  | 404          | 404        |
| Chad .....                            | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| China .....                           | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Colombia .....                        | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Denmark .....                         | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Ecuador .....                         | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Egypt .....                           | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Estonia .....                         | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Finland .....                         | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| France .....                          | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Germany .....                         | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Guatemala .....                       | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| India .....                           | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Indonesia .....                       | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Italy .....                           | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Korea, South .....                    | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Latvia .....                          | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Lithuania .....                       | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Malaysia .....                        | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Mexico .....                          | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Netherlands .....                     | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Norway .....                          | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Oman .....                            | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Portugal .....                        | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Qatar .....                           | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Russia .....                          | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Spain .....                           | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Sweden .....                          | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Syria .....                           | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Trinidad and Tobago .....             | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| United Kingdom .....                  | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Vietnam .....                         | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Virgin Islands, U.S. ....             | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Yemen .....                           | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |
| Other .....                           | 0                        | 0                   | 0                | -                            | -                       | -            | -     | -                                  | 0            | 0          |
| <b>Total</b> .....                    | <b>81,962</b>            | <b>2,772</b>        | <b>210</b>       | -                            | -                       | -            | -     | -                                  | <b>404</b>   | <b>404</b> |
| <b>Persian Gulf<sup>4</sup></b> ..... | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -          |

See footnotes at end of table.

**Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, October 2022**  
(Thousand Barrels) — Continued

| Country of Origin                     | Biofuels     |           |                       |                             | Distillate Fuel Oil     |                                       |                 |                       |       | Kerosene | Finished Aviation Gasoline |
|---------------------------------------|--------------|-----------|-----------------------|-----------------------------|-------------------------|---------------------------------------|-----------------|-----------------------|-------|----------|----------------------------|
|                                       | Fuel Ethanol | Biodiesel | Renewable Diesel Fuel | Other Biofuels <sup>3</sup> | 15 ppm sulfur and under | Greater than 15 ppm to 500 ppm sulfur | 501 to 2000 ppm | Greater than 2000 ppm | Total |          |                            |
| <b>OPEC</b> .....                     | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Algeria .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Angola .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Congo (Brazzaville) .....             | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Equatorial Guinea .....               | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Gabon .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Iran .....                            | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Iraq .....                            | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Kuwait .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Libya .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Nigeria .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Saudi Arabia .....                    | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| United Arab Emirates .....            | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Venezuela .....                       | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| <b>Non-OPEC</b> .....                 | —            | 107       | —                     | —                           | 168                     | 2                                     | 2               | —                     | 172   | —        | 5                          |
| Argentina .....                       | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Aruba .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Australia .....                       | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Bahamas .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Bahrain .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Belgium .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Brazil .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Brunei .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Cameroon .....                        | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Canada .....                          | —            | 107       | —                     | —                           | 168                     | 2                                     | 2               | —                     | 172   | —        | 5                          |
| Chad .....                            | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| China .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Colombia .....                        | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Denmark .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Ecuador .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Egypt .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Estonia .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Finland .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| France .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Germany .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Guatemala .....                       | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| India .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Indonesia .....                       | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Italy .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Korea, South .....                    | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Latvia .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Lithuania .....                       | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Malaysia .....                        | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Mexico .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Netherlands .....                     | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Norway .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Oman .....                            | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Portugal .....                        | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Qatar .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Russia .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Spain .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Sweden .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Syria .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Trinidad and Tobago .....             | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| United Kingdom .....                  | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Vietnam .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Virgin Islands, U.S. ....             | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Yemen .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Other .....                           | —            | 0         | —                     | —                           | 0                       | 0                                     | 0               | —                     | 0     | —        | 0                          |
| <b>Total</b> .....                    | —            | 107       | —                     | —                           | 168                     | 2                                     | 2               | —                     | 172   | —        | 5                          |
| <b>Persian Gulf<sup>4</sup></b> ..... | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |

See footnotes at end of table.

**Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, October 2022**  
(Thousand Barrels) — Continued

| Country of Origin                     | Aviation Gasoline Blending Components | Kerosene-Type Jet Fuel | Special Naphthas | Residual Fuel Oil       |                       |                            |       | Petrochemical Feedstocks |            |
|---------------------------------------|---------------------------------------|------------------------|------------------|-------------------------|-----------------------|----------------------------|-------|--------------------------|------------|
|                                       |                                       |                        |                  | Less than 0.31 % sulfur | 0.31 to 1.00 % sulfur | Greater than 1.00 % sulfur | Total | Naphtha                  | Other Oils |
| <b>OPEC</b> .....                     | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Algeria .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Angola .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Congo (Brazzaville) .....             | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Equatorial Guinea .....               | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Gabon .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Iran .....                            | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Iraq .....                            | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Kuwait .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Libya .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Nigeria .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Saudi Arabia .....                    | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| United Arab Emirates .....            | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Venezuela .....                       | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| <b>Non-OPEC</b> .....                 | —                                     | —                      | 9                | —                       | 7                     | 79                         | 86    | 121                      | 31         |
| Argentina .....                       | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Aruba .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Australia .....                       | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Bahamas .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Bahrain .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Belgium .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Brazil .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Brunei .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Cameroon .....                        | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Canada .....                          | —                                     | —                      | 9                | —                       | 7                     | 79                         | 86    | 121                      | 31         |
| Chad .....                            | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| China .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Colombia .....                        | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Denmark .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Ecuador .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Egypt .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Estonia .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Finland .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| France .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Germany .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Guatemala .....                       | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| India .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Indonesia .....                       | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Italy .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Korea, South .....                    | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Latvia .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Lithuania .....                       | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Malaysia .....                        | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Mexico .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Netherlands .....                     | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Norway .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Oman .....                            | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Portugal .....                        | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Qatar .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Russia .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Spain .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Sweden .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Syria .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Trinidad and Tobago .....             | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| United Kingdom .....                  | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Vietnam .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Virgin Islands, U.S. ....             | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Yemen .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Other .....                           | —                                     | —                      | 0                | —                       | 0                     | 0                          | 0     | 0                        | 0          |
| <b>Total</b> .....                    | —                                     | —                      | 9                | —                       | 7                     | 79                         | 86    | 121                      | 31         |
| <b>Persian Gulf<sup>1</sup></b> ..... | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |

See footnotes at end of table.

**Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, October 2022**  
(Thousand Barrels) — Continued

| Country of Origin                     | Waxes     | Petroleum Coke | Asphalt and Road Oil | Lubricants | Miscellaneous Products | Total Products | Total Crude Oil and Products | Daily Average |            |              |
|---------------------------------------|-----------|----------------|----------------------|------------|------------------------|----------------|------------------------------|---------------|------------|--------------|
|                                       |           |                |                      |            |                        |                |                              | Crude Oil     | Products   | Total        |
| <b>OPEC</b> .....                     | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Algeria .....                         | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Angola .....                          | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Congo (Brazzaville) .....             | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Equatorial Guinea .....               | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Gabon .....                           | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Iran .....                            | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Iraq .....                            | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Kuwait .....                          | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Libya .....                           | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Nigeria .....                         | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Saudi Arabia .....                    | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| United Arab Emirates .....            | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Venezuela .....                       | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| <b>Non-OPEC</b> .....                 | <b>10</b> | <b>22</b>      | <b>417</b>           | <b>229</b> | <b>—</b>               | <b>4,595</b>   | <b>86,557</b>                | <b>2,644</b>  | <b>148</b> | <b>2,792</b> |
| Argentina .....                       | —         | —              | —                    | 1          | —                      | 1              | 1                            | —             | 0          | 0            |
| Aruba .....                           | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Australia .....                       | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Bahamas .....                         | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Bahrain .....                         | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Belgium .....                         | —         | —              | —                    | 1          | —                      | 1              | 1                            | —             | 0          | 0            |
| Brazil .....                          | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Brunei .....                          | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Cameroon .....                        | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Canada .....                          | 10        | 22             | 417                  | 227        | —                      | 4,593          | 86,555                       | 2,644         | 148        | 2,792        |
| Chad .....                            | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| China .....                           | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Colombia .....                        | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Denmark .....                         | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Ecuador .....                         | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Egypt .....                           | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Estonia .....                         | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Finland .....                         | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| France .....                          | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Germany .....                         | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Guatemala .....                       | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| India .....                           | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Indonesia .....                       | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Italy .....                           | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Korea, South .....                    | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Latvia .....                          | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Lithuania .....                       | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Malaysia .....                        | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Mexico .....                          | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Netherlands .....                     | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Norway .....                          | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Oman .....                            | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Portugal .....                        | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Qatar .....                           | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Russia .....                          | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Spain .....                           | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Sweden .....                          | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Syria .....                           | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Trinidad and Tobago .....             | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| United Kingdom .....                  | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Vietnam .....                         | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Virgin Islands, U.S. ....             | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Yemen .....                           | —         | —              | —                    | —          | —                      | —              | —                            | —             | —          | —            |
| Other .....                           | 0         | 0              | 0                    | 0          | —                      | 0              | 0                            | 0             | 0          | 0            |
| <b>Total</b> .....                    | <b>10</b> | <b>22</b>      | <b>417</b>           | <b>229</b> | <b>—</b>               | <b>4,595</b>   | <b>86,557</b>                | <b>2,644</b>  | <b>148</b> | <b>2,792</b> |
| <b>Persian Gulf<sup>4</sup></b> ..... | <b>—</b>  | <b>—</b>       | <b>—</b>             | <b>—</b>   | <b>—</b>               | <b>—</b>       | <b>—</b>                     | <b>—</b>      | <b>—</b>   | <b>—</b>     |

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

<sup>4</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, October 2022**  
(Thousand Barrels)

| Country of Origin                     | Crude Oil <sup>1,2</sup> | Natural Gas Liquids | Refinery Olefins | Unfinished Oils <sup>1</sup> | Finished Motor Gasoline |              |       | Motor Gasoline Blending Components |              |              |
|---------------------------------------|--------------------------|---------------------|------------------|------------------------------|-------------------------|--------------|-------|------------------------------------|--------------|--------------|
|                                       |                          |                     |                  |                              | Reformulated            | Conventional | Total | Reformulated                       | Conventional | Total        |
| <b>OPEC</b> .....                     | <b>5,061</b>             | —                   | —                | <b>4,835</b>                 | —                       | —            | —     | —                                  | —            | —            |
| Algeria .....                         | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| Angola .....                          | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| Congo (Brazzaville) .....             | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| Equatorial Guinea .....               | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| Gabon .....                           | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| Iran .....                            | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| Iraq .....                            | 1,517                    | —                   | —                | 3,102                        | —                       | —            | —     | —                                  | —            | —            |
| Kuwait .....                          | 1,259                    | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| Libya .....                           | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| Nigeria .....                         | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| Saudi Arabia .....                    | 2,285                    | —                   | —                | 1,473                        | —                       | —            | —     | —                                  | —            | —            |
| United Arab Emirates .....            | —                        | —                   | —                | 260                          | —                       | —            | —     | —                                  | —            | —            |
| Venezuela .....                       | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| <b>Non-OPEC</b> .....                 | <b>38,192</b>            | —                   | <b>26</b>        | <b>9,047</b>                 | —                       | —            | —     | —                                  | <b>1,359</b> | <b>1,359</b> |
| Argentina .....                       | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| Aruba .....                           | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| Australia .....                       | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| Bahamas .....                         | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| Bahrain .....                         | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| Belgium .....                         | —                        | —                   | —                | 320                          | —                       | —            | —     | —                                  | —            | —            |
| Brazil .....                          | 505                      | —                   | —                | 685                          | —                       | —            | —     | —                                  | 76           | 76           |
| Brunei .....                          | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| Cameroon .....                        | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| Canada .....                          | 14,545                   | —                   | —                | 1,575                        | —                       | —            | —     | —                                  | —            | —            |
| Chad .....                            | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| China .....                           | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| Colombia .....                        | 4,694                    | —                   | —                | 2                            | —                       | —            | —     | —                                  | —            | —            |
| Denmark .....                         | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| Ecuador .....                         | —                        | —                   | —                | 444                          | —                       | —            | —     | —                                  | —            | —            |
| Egypt .....                           | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| Estonia .....                         | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| Finland .....                         | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| France .....                          | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| Germany .....                         | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| Guatemala .....                       | 279                      | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| India .....                           | —                        | —                   | —                | 581                          | —                       | —            | —     | —                                  | 513          | 513          |
| Indonesia .....                       | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| Italy .....                           | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| Korea, South .....                    | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| Latvia .....                          | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| Lithuania .....                       | —                        | —                   | —                | 113                          | —                       | —            | —     | —                                  | —            | —            |
| Malaysia .....                        | —                        | —                   | —                | 1,654                        | —                       | —            | —     | —                                  | 184          | 184          |
| Mexico .....                          | 17,266                   | —                   | —                | 2,829                        | —                       | —            | —     | —                                  | —            | —            |
| Netherlands .....                     | —                        | —                   | —                | 420                          | —                       | —            | —     | —                                  | —            | —            |
| Norway .....                          | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| Oman .....                            | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| Portugal .....                        | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | 280          | 280          |
| Qatar .....                           | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| Russia .....                          | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| Spain .....                           | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| Sweden .....                          | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| Syria .....                           | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| Trinidad and Tobago .....             | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| United Kingdom .....                  | 903                      | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| Vietnam .....                         | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| Virgin Islands, U.S. ....             | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| Yemen .....                           | —                        | —                   | —                | —                            | —                       | —            | —     | —                                  | —            | —            |
| Other .....                           | 0                        | —                   | 26               | 424                          | —                       | —            | —     | —                                  | 306          | 306          |
| <b>Total</b> .....                    | <b>43,253</b>            | —                   | <b>26</b>        | <b>13,882</b>                | —                       | —            | —     | —                                  | <b>1,359</b> | <b>1,359</b> |
| <b>Persian Gulf<sup>4</sup></b> ..... | <b>5,061</b>             | —                   | —                | <b>4,835</b>                 | —                       | —            | —     | —                                  | —            | —            |

See footnotes at end of table.

**Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, October 2022**  
(Thousand Barrels) — Continued

| Country of Origin                     | Biofuels     |           |                       |                             | Distillate Fuel Oil     |                                       |                 |                       |       | Kerosene | Finished Aviation Gasoline |
|---------------------------------------|--------------|-----------|-----------------------|-----------------------------|-------------------------|---------------------------------------|-----------------|-----------------------|-------|----------|----------------------------|
|                                       | Fuel Ethanol | Biodiesel | Renewable Diesel Fuel | Other Biofuels <sup>3</sup> | 15 ppm sulfur and under | Greater than 15 ppm to 500 ppm sulfur | 501 to 2000 ppm | Greater than 2000 ppm | Total |          |                            |
| <b>OPEC</b> .....                     | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Algeria .....                         | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Angola .....                          | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Congo (Brazzaville) .....             | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Equatorial Guinea .....               | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Gabon .....                           | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Iran .....                            | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Iraq .....                            | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Kuwait .....                          | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Libya .....                           | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Nigeria .....                         | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Saudi Arabia .....                    | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| United Arab Emirates .....            | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Venezuela .....                       | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| <b>Non-OPEC</b> .....                 | -            | 114       | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Argentina .....                       | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Aruba .....                           | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Australia .....                       | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Bahamas .....                         | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Bahrain .....                         | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Belgium .....                         | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Brazil .....                          | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Brunei .....                          | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Cameroon .....                        | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Canada .....                          | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Chad .....                            | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| China .....                           | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Colombia .....                        | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Denmark .....                         | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Ecuador .....                         | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Egypt .....                           | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Estonia .....                         | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Finland .....                         | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| France .....                          | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Germany .....                         | -            | 114       | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Guatemala .....                       | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| India .....                           | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Indonesia .....                       | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Italy .....                           | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Korea, South .....                    | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Latvia .....                          | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Lithuania .....                       | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Malaysia .....                        | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Mexico .....                          | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Netherlands .....                     | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Norway .....                          | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Oman .....                            | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Portugal .....                        | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Qatar .....                           | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Russia .....                          | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Spain .....                           | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Sweden .....                          | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Syria .....                           | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Trinidad and Tobago .....             | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| United Kingdom .....                  | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Vietnam .....                         | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Virgin Islands, U.S. ....             | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Yemen .....                           | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Other .....                           | -            | 0         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| <b>Total</b> .....                    | -            | 114       | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| <b>Persian Gulf<sup>4</sup></b> ..... | -            | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |

See footnotes at end of table.



**Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, October 2022**  
(Thousand Barrels) — Continued

| Country of Origin                     | Aviation Gasoline Blending Components | Kerosene-Type Jet Fuel | Special Naphthas | Residual Fuel Oil       |                       |                            |       | Petrochemical Feedstocks |            |
|---------------------------------------|---------------------------------------|------------------------|------------------|-------------------------|-----------------------|----------------------------|-------|--------------------------|------------|
|                                       |                                       |                        |                  | Less than 0.31 % sulfur | 0.31 to 1.00 % sulfur | Greater than 1.00 % sulfur | Total | Naphtha                  | Other Oils |
| <b>OPEC</b> .....                     | —                                     | —                      | 28               | —                       | —                     | —                          | —     | —                        | —          |
| Algeria .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Angola .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Congo (Brazzaville) .....             | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Equatorial Guinea .....               | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Gabon .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Iran .....                            | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Iraq .....                            | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Kuwait .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Libya .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Nigeria .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Saudi Arabia .....                    | —                                     | —                      | 28               | —                       | —                     | —                          | —     | —                        | —          |
| United Arab Emirates .....            | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Venezuela .....                       | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| <b>Non-OPEC</b> .....                 | —                                     | —                      | 424              | —                       | —                     | 2,998                      | 2,998 | 161                      | 27         |
| Argentina .....                       | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Aruba .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Australia .....                       | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Bahamas .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Bahrain .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Belgium .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Brazil .....                          | —                                     | —                      | —                | —                       | —                     | 264                        | 264   | —                        | —          |
| Brunei .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Cameroon .....                        | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Canada .....                          | —                                     | —                      | 82               | —                       | —                     | —                          | —     | —                        | —          |
| Chad .....                            | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| China .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Colombia .....                        | —                                     | —                      | —                | —                       | —                     | 394                        | 394   | —                        | —          |
| Denmark .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Ecuador .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Egypt .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Estonia .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Finland .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| France .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | 27         |
| Germany .....                         | —                                     | —                      | 7                | —                       | —                     | —                          | —     | —                        | —          |
| Guatemala .....                       | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| India .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Indonesia .....                       | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Italy .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Korea, South .....                    | —                                     | —                      | 274              | —                       | —                     | —                          | —     | —                        | —          |
| Latvia .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Lithuania .....                       | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Malaysia .....                        | —                                     | —                      | —                | —                       | —                     | 368                        | 368   | —                        | —          |
| Mexico .....                          | —                                     | —                      | —                | —                       | —                     | 1,825                      | 1,825 | 94                       | —          |
| Netherlands .....                     | —                                     | —                      | 24               | —                       | —                     | 147                        | 147   | 8                        | —          |
| Norway .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Oman .....                            | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Portugal .....                        | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Qatar .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Russia .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Spain .....                           | —                                     | —                      | 37               | —                       | —                     | —                          | —     | —                        | —          |
| Sweden .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Syria .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Trinidad and Tobago .....             | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| United Kingdom .....                  | —                                     | —                      | —                | —                       | —                     | —                          | —     | 13                       | —          |
| Vietnam .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Virgin Islands, U.S. ....             | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Yemen .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Other .....                           | —                                     | —                      | 0                | —                       | —                     | 0                          | 0     | 46                       | 0          |
| <b>Total</b> .....                    | —                                     | —                      | 452              | —                       | —                     | 2,998                      | 2,998 | 161                      | 27         |
| <b>Persian Gulf<sup>4</sup></b> ..... | —                                     | —                      | 28               | —                       | —                     | —                          | —     | —                        | —          |

See footnotes at end of table.

**Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, October 2022**  
(Thousand Barrels) — Continued

| Country of Origin               | Waxes | Petroleum Coke | Asphalt and Road Oil | Lubricants | Miscellaneous Products | Total Products | Total Crude Oil and Products | Daily Average |          |       |
|---------------------------------|-------|----------------|----------------------|------------|------------------------|----------------|------------------------------|---------------|----------|-------|
|                                 |       |                |                      |            |                        |                |                              | Crude Oil     | Products | Total |
| <b>OPEC</b>                     | —     | —              | —                    | 208        | —                      | 5,071          | 10,132                       | 163           | 164      | 327   |
| Algeria                         | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Angola                          | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Congo (Brazzaville)             | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Equatorial Guinea               | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Gabon                           | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Iran                            | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Iraq                            | —     | —              | —                    | —          | —                      | 3,102          | 4,619                        | 49            | 100      | 149   |
| Kuwait                          | —     | —              | —                    | —          | —                      | —              | 1,259                        | 41            | —        | 41    |
| Libya                           | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Nigeria                         | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Saudi Arabia                    | —     | —              | —                    | —          | —                      | 1,501          | 3,786                        | 74            | 48       | 122   |
| United Arab Emirates            | —     | —              | —                    | 208        | —                      | 468            | 468                          | —             | 15       | 15    |
| Venezuela                       | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| <b>Non-OPEC</b>                 | 20    | 355            | —                    | 1,568      | —                      | 16,102         | 54,294                       | 1,232         | 519      | 1,751 |
| Argentina                       | —     | —              | —                    | 4          | —                      | 4              | 4                            | —             | 0        | 0     |
| Aruba                           | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Australia                       | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Bahamas                         | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Bahrain                         | —     | —              | —                    | 28         | —                      | 28             | 28                           | —             | 1        | 1     |
| Belgium                         | —     | —              | —                    | 1          | —                      | 321            | 321                          | —             | 10       | 10    |
| Brazil                          | —     | 226            | —                    | —          | —                      | 1,251          | 1,756                        | 16            | 40       | 57    |
| Brunei                          | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Cameroon                        | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Canada                          | —     | —              | —                    | —          | —                      | 1,657          | 16,202                       | 469           | 53       | 523   |
| Chad                            | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| China                           | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Colombia                        | —     | 112            | —                    | —          | —                      | 508            | 5,202                        | 151           | 16       | 168   |
| Denmark                         | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Ecuador                         | —     | —              | —                    | —          | —                      | 444            | 444                          | —             | 14       | 14    |
| Egypt                           | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Estonia                         | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Finland                         | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| France                          | —     | —              | —                    | 5          | —                      | 32             | 32                           | —             | 1        | 1     |
| Germany                         | —     | —              | —                    | 8          | —                      | 129            | 129                          | —             | 4        | 4     |
| Guatemala                       | —     | —              | —                    | —          | —                      | —              | 279                          | 9             | —        | 9     |
| India                           | —     | —              | —                    | 1          | —                      | 1,095          | 1,095                        | —             | 35       | 35    |
| Indonesia                       | —     | —              | —                    | 167        | —                      | 167            | 167                          | —             | 5        | 5     |
| Italy                           | —     | —              | —                    | 46         | —                      | 46             | 46                           | —             | 1        | 1     |
| Korea, South                    | —     | —              | —                    | 648        | —                      | 922            | 922                          | —             | 30       | 30    |
| Latvia                          | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Lithuania                       | —     | —              | —                    | —          | —                      | 113            | 113                          | —             | 4        | 4     |
| Malaysia                        | 20    | —              | —                    | —          | —                      | 2,226          | 2,226                        | —             | 72       | 72    |
| Mexico                          | —     | —              | —                    | —          | —                      | 4,748          | 22,014                       | 557           | 153      | 710   |
| Netherlands                     | —     | —              | —                    | 103        | —                      | 702            | 702                          | —             | 23       | 23    |
| Norway                          | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Oman                            | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Portugal                        | —     | —              | —                    | —          | —                      | 280            | 280                          | —             | 9        | 9     |
| Qatar                           | —     | —              | —                    | 556        | —                      | 556            | 556                          | —             | 18       | 18    |
| Russia                          | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Spain                           | —     | —              | —                    | —          | —                      | 37             | 37                           | —             | 1        | 1     |
| Sweden                          | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Syria                           | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Trinidad and Tobago             | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| United Kingdom                  | —     | —              | —                    | —          | —                      | 13             | 916                          | 29            | 0        | 30    |
| Vietnam                         | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Virgin Islands, U.S.            | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Yemen                           | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Other                           | 0     | 17             | —                    | 1          | —                      | 823            | 823                          | 1             | 29       | 26    |
| <b>Total</b>                    | 20    | 355            | —                    | 1,776      | —                      | 21,173         | 64,426                       | 1,395         | 683      | 2,078 |
| <b>Persian Gulf<sup>4</sup></b> | —     | —              | —                    | 792        | —                      | 5,655          | 10,716                       | 163           | 182      | 346   |

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

<sup>4</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, October 2022**  
(Thousand Barrels)

| Country of Origin               | Crude Oil <sup>1,2</sup> | Natural Gas Liquids | Refinery Olefins | Unfinished Oils <sup>1</sup> | Finished Motor Gasoline |              |       | Motor Gasoline Blending Components |              |       |
|---------------------------------|--------------------------|---------------------|------------------|------------------------------|-------------------------|--------------|-------|------------------------------------|--------------|-------|
|                                 |                          |                     |                  |                              | Reformulated            | Conventional | Total | Reformulated                       | Conventional | Total |
|                                 | PAD District 4           |                     |                  |                              |                         |              |       |                                    |              |       |
| OPEC .....                      | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Algeria .....                   | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Angola .....                    | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Congo (Brazzaville) .....       | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Iran .....                      | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Iraq .....                      | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Kuwait .....                    | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Libya .....                     | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Nigeria .....                   | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Saudi Arabia .....              | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| United Arab Emirates .....      | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Venezuela .....                 | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Non-OPEC .....                  | 9,137                    | 368                 | -                | -                            | -                       | -            | -     | -                                  | 23           | 23    |
| Canada .....                    | 9,137                    | 368                 | -                | -                            | -                       | -            | -     | -                                  | 23           | 23    |
| Ecuador .....                   | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Qatar .....                     | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Other .....                     | 0                        | 0                   | -                | -                            | -                       | -            | -     | -                                  | 0            | 0     |
| Total .....                     | 9,137                    | 368                 | -                | -                            | -                       | -            | -     | -                                  | 23           | 23    |
|                                 | PAD District 5           |                     |                  |                              |                         |              |       |                                    |              |       |
| OPEC .....                      | 12,356                   | -                   | -                | 1,187                        | -                       | -            | -     | -                                  | -            | -     |
| Algeria .....                   | -                        | -                   | -                | 1,187                        | -                       | -            | -     | -                                  | -            | -     |
| Angola .....                    | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Congo (Brazzaville) .....       | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Iran .....                      | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Iraq .....                      | 4,517                    | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Kuwait .....                    | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Libya .....                     | 1,285                    | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Nigeria .....                   | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Saudi Arabia .....              | 6,554                    | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| United Arab Emirates .....      | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Venezuela .....                 | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Non-OPEC .....                  | 25,646                   | 1,471               | -                | 765                          | -                       | 1,182        | 1,182 | 326                                | 1,454        | 1,780 |
| Argentina .....                 | 2,390                    | 55                  | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Aruba .....                     | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Australia .....                 | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Brazil .....                    | 5,619                    | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Brunei .....                    | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Canada .....                    | 7,526                    | 1,358               | -                | -                            | -                       | 104          | 104   | -                                  | 26           | 26    |
| China .....                     | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Colombia .....                  | 2,105                    | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Ecuador .....                   | 3,494                    | -                   | -                | 322                          | -                       | -            | -     | -                                  | -            | -     |
| Finland .....                   | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Germany .....                   | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Indonesia .....                 | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Japan .....                     | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | 140          | 140   |
| Korea, South .....              | -                        | -                   | -                | -                            | -                       | 679          | 679   | -                                  | 12           | 12    |
| Malaysia .....                  | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Mexico .....                    | 640                      | -                   | -                | 316                          | -                       | -            | -     | -                                  | -            | -     |
| Netherlands .....               | -                        | -                   | -                | -                            | -                       | -            | -     | 326                                | -            | 326   |
| Oman .....                      | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Papua New Guinea .....          | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Peru .....                      | 298                      | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Qatar .....                     | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Singapore .....                 | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Sweden .....                    | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Taiwan .....                    | -                        | -                   | -                | -                            | -                       | 208          | 208   | -                                  | 98           | 98    |
| United Kingdom .....            | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | 309          | 309   |
| Vietnam .....                   | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Virgin Islands, U.S. ....       | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |
| Other .....                     | 3,574                    | 58                  | -                | 127                          | -                       | 191          | 191   | 0                                  | 869          | 869   |
| Total .....                     | 38,002                   | 1,471               | -                | 1,952                        | -                       | 1,182        | 1,182 | 326                                | 1,454        | 1,780 |
| Persian Gulf <sup>4</sup> ..... | 11,071                   | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -     |

See footnotes at end of table.

**Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, October 2022**  
(Thousand Barrels) — Continued

| Country of Origin               | Biofuels       |           |                       |                             | Distillate Fuel Oil     |                                       |                 |                       |       | Kerosene | Finished Aviation Gasoline |
|---------------------------------|----------------|-----------|-----------------------|-----------------------------|-------------------------|---------------------------------------|-----------------|-----------------------|-------|----------|----------------------------|
|                                 | Fuel Ethanol   | Biodiesel | Renewable Diesel Fuel | Other Biofuels <sup>3</sup> | 15 ppm sulfur and under | Greater than 15 ppm to 500 ppm sulfur | 501 to 2000 ppm | Greater than 2000 ppm | Total |          |                            |
|                                 | PAD District 4 |           |                       |                             |                         |                                       |                 |                       |       |          |                            |
| OPEC .....                      | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Algeria .....                   | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Angola .....                    | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Congo (Brazzaville) .....       | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Iran .....                      | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Iraq .....                      | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Kuwait .....                    | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Libya .....                     | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Nigeria .....                   | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Saudi Arabia .....              | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| United Arab Emirates .....      | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Venezuela .....                 | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Non-OPEC .....                  | -              | 10        | -                     | -                           | 26                      | -                                     | -               | -                     | 26    | -        | -                          |
| Canada .....                    | -              | 10        | -                     | -                           | 26                      | -                                     | -               | -                     | 26    | -        | -                          |
| Ecuador .....                   | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Qatar .....                     | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Other .....                     | -              | 0         | -                     | -                           | 0                       | -                                     | -               | -                     | 0     | -        | -                          |
| Total .....                     | -              | 10        | -                     | -                           | 26                      | -                                     | -               | -                     | 26    | -        | -                          |
|                                 | PAD District 5 |           |                       |                             |                         |                                       |                 |                       |       |          |                            |
| OPEC .....                      | -              | -         | 10                    | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Algeria .....                   | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Angola .....                    | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Congo (Brazzaville) .....       | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Iran .....                      | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Iraq .....                      | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Kuwait .....                    | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Libya .....                     | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Nigeria .....                   | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Saudi Arabia .....              | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| United Arab Emirates .....      | -              | -         | 10                    | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Venezuela .....                 | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Non-OPEC .....                  | -              | 114       | 441                   | -                           | 541                     | -                                     | -               | -                     | 541   | -        | 2                          |
| Argentina .....                 | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Aruba .....                     | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Australia .....                 | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Brazil .....                    | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Brunei .....                    | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Canada .....                    | -              | 114       | -                     | -                           | 217                     | -                                     | -               | -                     | 217   | -        | 2                          |
| China .....                     | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Colombia .....                  | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Ecuador .....                   | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Finland .....                   | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Germany .....                   | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Indonesia .....                 | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Japan .....                     | -              | -         | -                     | -                           | 299                     | -                                     | -               | -                     | 299   | -        | -                          |
| Korea, South .....              | -              | -         | -                     | -                           | 25                      | -                                     | -               | -                     | 25    | -        | -                          |
| Malaysia .....                  | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Mexico .....                    | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Netherlands .....               | -              | -         | 45                    | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Oman .....                      | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Papua New Guinea .....          | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Peru .....                      | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Qatar .....                     | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Singapore .....                 | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Sweden .....                    | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Taiwan .....                    | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| United Kingdom .....            | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Vietnam .....                   | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Virgin Islands, U.S. ....       | -              | -         | -                     | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Other .....                     | -              | 0         | 396                   | -                           | 0                       | -                                     | -               | -                     | 0     | -        | 0                          |
| Total .....                     | -              | 114       | 451                   | -                           | 541                     | -                                     | -               | -                     | 541   | -        | 2                          |
| Persian Gulf <sup>4</sup> ..... | -              | -         | 10                    | -                           | -                       | -                                     | -               | -                     | -     | -        | -                          |

See footnotes at end of table.

**Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, October 2022**  
(Thousand Barrels) — Continued

| Country of Origin               | Aviation Gasoline Blending Components | Kerosene-Type Jet Fuel | Special Naphthas | Residual Fuel Oil       |                       |                            |       | Petrochemical Feedstocks |            |
|---------------------------------|---------------------------------------|------------------------|------------------|-------------------------|-----------------------|----------------------------|-------|--------------------------|------------|
|                                 |                                       |                        |                  | Less than 0.31 % sulfur | 0.31 to 1.00 % sulfur | Greater than 1.00 % sulfur | Total | Naphtha                  | Other Oils |
|                                 |                                       |                        |                  |                         |                       |                            |       |                          |            |
|                                 | PAD District 4                        |                        |                  |                         |                       |                            |       |                          |            |
| OPEC .....                      | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Algeria .....                   | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Angola .....                    | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Congo (Brazzaville) .....       | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Iran .....                      | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Iraq .....                      | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Kuwait .....                    | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Libya .....                     | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Nigeria .....                   | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Saudi Arabia .....              | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| United Arab Emirates .....      | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Venezuela .....                 | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Non-OPEC .....                  | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Canada .....                    | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Ecuador .....                   | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Qatar .....                     | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Other .....                     | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Total .....                     | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
|                                 | PAD District 5                        |                        |                  |                         |                       |                            |       |                          |            |
| OPEC .....                      | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Algeria .....                   | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Angola .....                    | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Congo (Brazzaville) .....       | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Iran .....                      | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Iraq .....                      | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Kuwait .....                    | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Libya .....                     | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Nigeria .....                   | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Saudi Arabia .....              | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| United Arab Emirates .....      | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Venezuela .....                 | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Non-OPEC .....                  | -                                     | 2,322                  | -                | -                       | 597                   | 149                        | 746   | -                        | -          |
| Argentina .....                 | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Aruba .....                     | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Australia .....                 | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Brazil .....                    | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Brunei .....                    | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Canada .....                    | -                                     | 44                     | -                | -                       | 36                    | 149                        | 185   | -                        | -          |
| China .....                     | -                                     | 235                    | -                | -                       | -                     | -                          | -     | -                        | -          |
| Colombia .....                  | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Ecuador .....                   | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Finland .....                   | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Germany .....                   | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Indonesia .....                 | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Japan .....                     | -                                     | 562                    | -                | -                       | -                     | -                          | -     | -                        | -          |
| Korea, South .....              | -                                     | 1,156                  | -                | -                       | -                     | -                          | -     | -                        | -          |
| Malaysia .....                  | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Mexico .....                    | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Netherlands .....               | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Oman .....                      | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Papua New Guinea .....          | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Peru .....                      | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Qatar .....                     | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Singapore .....                 | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Sweden .....                    | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Taiwan .....                    | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| United Kingdom .....            | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Vietnam .....                   | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Virgin Islands, U.S. ....       | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |
| Other .....                     | -                                     | 325                    | -                | -                       | 561                   | 0                          | 561   | -                        | -          |
| Total .....                     | -                                     | 2,322                  | -                | -                       | 597                   | 149                        | 746   | -                        | -          |
| Persian Gulf <sup>4</sup> ..... | -                                     | -                      | -                | -                       | -                     | -                          | -     | -                        | -          |

See footnotes at end of table.

**Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, October 2022**  
(Thousand Barrels) — Continued

| Country of Origin         | Waxes          | Petroleum Coke | Asphalt and Road Oil | Lubricants | Miscellaneous Products | Total Products | Total Crude Oil and Products | Daily Average |          |       |
|---------------------------|----------------|----------------|----------------------|------------|------------------------|----------------|------------------------------|---------------|----------|-------|
|                           |                |                |                      |            |                        |                |                              | Crude Oil     | Products | Total |
|                           | PAD District 4 |                |                      |            |                        |                |                              |               |          |       |
| OPEC                      | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Algeria                   | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Angola                    | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Congo (Brazzaville)       | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Iran                      | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Iraq                      | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Kuwait                    | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Libya                     | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Nigeria                   | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Saudi Arabia              | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| United Arab Emirates      | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Venezuela                 | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Non-OPEC                  | —              | —              | 75                   | —          | 1                      | 503            | 9,640                        | 295           | 16       | 311   |
| Canada                    | —              | —              | 75                   | —          | 1                      | 503            | 9,640                        | 295           | 16       | 311   |
| Ecuador                   | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Qatar                     | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Other                     | —              | —              | 0                    | —          | 0                      | 0              | 0                            | 0             | 0        | 0     |
| Total                     | —              | —              | 75                   | —          | 1                      | 503            | 9,640                        | 295           | 16       | 311   |
|                           | PAD District 5 |                |                      |            |                        |                |                              |               |          |       |
| OPEC                      | —              | —              | —                    | —          | —                      | 1,197          | 13,553                       | 399           | 39       | 437   |
| Algeria                   | —              | —              | —                    | —          | —                      | 1,187          | 1,187                        | —             | 38       | 38    |
| Angola                    | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Congo (Brazzaville)       | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Iran                      | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Iraq                      | —              | —              | —                    | —          | —                      | —              | 4,517                        | 146           | —        | 146   |
| Kuwait                    | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Libya                     | —              | —              | —                    | —          | —                      | —              | 1,285                        | 41            | —        | 41    |
| Nigeria                   | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Saudi Arabia              | —              | —              | —                    | —          | —                      | —              | 6,554                        | 211           | —        | 211   |
| United Arab Emirates      | —              | —              | —                    | —          | —                      | 10             | 10                           | —             | 0        | 0     |
| Venezuela                 | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Non-OPEC                  | 69             | —              | 31                   | 26         | —                      | 9,490          | 35,136                       | 827           | 306      | 1,133 |
| Argentina                 | —              | —              | —                    | —          | —                      | 55             | 2,445                        | 77            | 2        | 79    |
| Aruba                     | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Australia                 | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Brazil                    | —              | —              | —                    | —          | —                      | —              | 5,619                        | 181           | —        | 181   |
| Brunei                    | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Canada                    | —              | —              | 31                   | 3          | —                      | 2,084          | 9,610                        | 243           | 67       | 310   |
| China                     | 47             | —              | —                    | —          | —                      | 282            | 282                          | —             | 9        | 9     |
| Colombia                  | —              | —              | —                    | —          | —                      | —              | 2,105                        | 68            | —        | 68    |
| Ecuador                   | —              | —              | —                    | —          | —                      | 322            | 3,816                        | 113           | 10       | 123   |
| Finland                   | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Germany                   | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Indonesia                 | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Japan                     | 19             | —              | —                    | —          | —                      | 1,020          | 1,020                        | —             | 33       | 33    |
| Korea, South              | —              | —              | —                    | 23         | —                      | 1,895          | 1,895                        | —             | 61       | 61    |
| Malaysia                  | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Mexico                    | —              | —              | —                    | —          | —                      | 316            | 956                          | 21            | 10       | 31    |
| Netherlands               | —              | —              | —                    | —          | —                      | 371            | 371                          | —             | 12       | 12    |
| Oman                      | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Papua New Guinea          | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Peru                      | —              | —              | —                    | —          | —                      | —              | 298                          | 10            | —        | 10    |
| Qatar                     | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Singapore                 | —              | —              | —                    | —          | —                      | 396            | 396                          | —             | 13       | 13    |
| Sweden                    | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Taiwan                    | 3              | —              | —                    | —          | —                      | 309            | 309                          | —             | 10       | 10    |
| United Kingdom            | —              | —              | —                    | —          | —                      | 309            | 309                          | —             | 10       | 10    |
| Vietnam                   | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Virgin Islands, U.S.      | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Other                     | 0              | —              | 0                    | 0          | —                      | 2,131          | 5,705                        | 114           | 69       | 183   |
| Total                     | 69             | —              | 31                   | 26         | —                      | 10,687         | 48,689                       | 1,226         | 345      | 1,571 |
| Persian Gulf <sup>4</sup> | —              | —              | —                    | —          | —                      | 10             | 11,081                       | 357           | 0        | 357   |

-- = Not Applicable.

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

<sup>4</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."



**Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-October 2022**  
(Thousand Barrels)

| Country of Origin                     | Crude Oil <sup>1,2</sup> | Natural Gas Liquids | Refinery Olefins | Unfinished Oils <sup>1</sup> | Finished Motor Gasoline |               |               | Motor Gasoline Blending Components |               |                |
|---------------------------------------|--------------------------|---------------------|------------------|------------------------------|-------------------------|---------------|---------------|------------------------------------|---------------|----------------|
|                                       |                          |                     |                  |                              | Reformulated            | Conventional  | Total         | Reformulated                       | Conventional  | Total          |
| <b>OPEC</b> .....                     | <b>86,901</b>            | <b>1,015</b>        | <b>-</b>         | <b>1,739</b>                 | <b>-</b>                | <b>344</b>    | <b>344</b>    | <b>829</b>                         | <b>9,465</b>  | <b>10,294</b>  |
| Algeria .....                         | 3,228                    | 506                 | -                | -                            | -                       | -             | -             | 18                                 | 164           | 182            |
| Angola .....                          | 11,768                   | -                   | -                | 190                          | -                       | 18            | 18            | -                                  | 972           | 972            |
| Congo (Brazzaville) .....             | 932                      | -                   | -                | 7                            | -                       | -             | -             | -                                  | -             | -              |
| Equatorial Guinea .....               | -                        | 509                 | -                | -                            | -                       | -             | -             | -                                  | -             | -              |
| Gabon .....                           | 708                      | -                   | -                | -                            | -                       | -             | -             | -                                  | -             | -              |
| Iran .....                            | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -             | -              |
| Iraq .....                            | -                        | -                   | -                | 346                          | -                       | -             | -             | -                                  | -             | -              |
| Kuwait .....                          | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -             | -              |
| Libya .....                           | 17,176                   | -                   | -                | -                            | -                       | -             | -             | -                                  | -             | -              |
| Nigeria .....                         | 26,651                   | -                   | -                | 717                          | -                       | -             | -             | -                                  | 2,231         | 2,231          |
| Saudi Arabia .....                    | 26,438                   | -                   | -                | 479                          | -                       | 326           | 326           | 514                                | 5,877         | 6,391          |
| United Arab Emirates .....            | -                        | -                   | -                | -                            | -                       | -             | -             | 282                                | 221           | 503            |
| Venezuela .....                       | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -             | -              |
| <b>Non-OPEC</b> .....                 | <b>98,582</b>            | <b>8,265</b>        | <b>2,664</b>     | <b>10,038</b>                | <b>-</b>                | <b>22,304</b> | <b>22,304</b> | <b>44,835</b>                      | <b>79,123</b> | <b>123,958</b> |
| Argentina .....                       | 1,965                    | -                   | -                | 146                          | -                       | 30            | 30            | -                                  | 1,265         | 1,265          |
| Aruba .....                           | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -             | -              |
| Australia .....                       | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -             | -              |
| Bahamas .....                         | -                        | -                   | -                | -                            | -                       | 2,731         | 2,731         | -                                  | 2,261         | 2,261          |
| Bahrain .....                         | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -             | -              |
| Belgium .....                         | -                        | -                   | -                | -                            | -                       | 3,199         | 3,199         | 724                                | 1,301         | 2,025          |
| Brazil .....                          | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | 1,958         | 1,958          |
| Brunei .....                          | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -             | -              |
| Cameroon .....                        | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -             | -              |
| Canada .....                          | 39,069                   | 8,068               | 2,664            | -                            | -                       | 3,104         | 3,104         | 19,588                             | 10,093        | 29,681         |
| Chad .....                            | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -             | -              |
| China .....                           | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -             | -              |
| Colombia .....                        | 1,493                    | -                   | -                | -                            | -                       | -             | -             | -                                  | -             | -              |
| Denmark .....                         | -                        | -                   | -                | -                            | -                       | 1             | 1             | 10                                 | 68            | 78             |
| Ecuador .....                         | -                        | -                   | -                | 508                          | -                       | -             | -             | -                                  | -             | -              |
| Egypt .....                           | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -             | -              |
| Estonia .....                         | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -             | -              |
| Finland .....                         | -                        | -                   | -                | 100                          | -                       | 41            | 41            | -                                  | 4,491         | 4,491          |
| France .....                          | -                        | -                   | -                | 612                          | -                       | 1,791         | 1,791         | 1,177                              | 2,545         | 3,722          |
| Germany .....                         | -                        | -                   | -                | -                            | -                       | 334           | 334           | -                                  | 528           | 528            |
| Guatemala .....                       | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -             | -              |
| India .....                           | -                        | -                   | -                | 333                          | -                       | -             | -             | 623                                | 12,285        | 12,908         |
| Indonesia .....                       | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -             | -              |
| Italy .....                           | -                        | -                   | -                | 203                          | -                       | 1,856         | 1,856         | 72                                 | 5,794         | 5,866          |
| Korea, South .....                    | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | 685           | 685            |
| Latvia .....                          | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -             | -              |
| Lithuania .....                       | -                        | -                   | -                | -                            | -                       | 1,359         | 1,359         | -                                  | 708           | 708            |
| Malaysia .....                        | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | 437           | 437            |
| Mexico .....                          | 18,874                   | -                   | -                | 3,054                        | -                       | -             | -             | -                                  | 1,090         | 1,090          |
| Netherlands .....                     | -                        | -                   | -                | 175                          | -                       | 2,973         | 2,973         | 8,503                              | 5,216         | 13,719         |
| Norway .....                          | 6,089                    | 196                 | -                | -                            | -                       | 1,087         | 1,087         | 1,795                              | 2,587         | 4,382          |
| Oman .....                            | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | 308           | 308            |
| Portugal .....                        | -                        | -                   | -                | -                            | -                       | 348           | 348           | 3                                  | 6,782         | 6,785          |
| Qatar .....                           | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -             | -              |
| Russia .....                          | 3,098                    | -                   | -                | 2,793                        | -                       | -             | -             | -                                  | 2,153         | 2,153          |
| Spain .....                           | -                        | -                   | -                | 673                          | -                       | 1,091         | 1,091         | 328                                | 7,782         | 8,110          |
| Sweden .....                          | -                        | -                   | -                | -                            | -                       | 239           | 239           | 11                                 | 1,328         | 1,339          |
| Syria .....                           | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -             | -              |
| Trinidad and Tobago .....             | 2,461                    | -                   | -                | -                            | -                       | 39            | 39            | -                                  | -             | -              |
| United Kingdom .....                  | 3,537                    | -                   | -                | 382                          | -                       | 1,739         | 1,739         | 11,729                             | 3,443         | 15,172         |
| Vietnam .....                         | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -             | -              |
| Virgin Islands, U.S. ....             | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -             | -              |
| Yemen .....                           | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -             | -              |
| Other .....                           | 21,288                   | 1                   | 0                | 1,059                        | -                       | 342           | 342           | 272                                | 4,015         | 4,287          |
| <b>Total</b> .....                    | <b>185,483</b>           | <b>9,280</b>        | <b>2,664</b>     | <b>11,777</b>                | <b>-</b>                | <b>22,648</b> | <b>22,648</b> | <b>45,664</b>                      | <b>88,588</b> | <b>134,252</b> |
| <b>Persian Gulf<sup>4</sup></b> ..... | <b>26,438</b>            | <b>-</b>            | <b>-</b>         | <b>825</b>                   | <b>-</b>                | <b>326</b>    | <b>326</b>    | <b>811</b>                         | <b>6,098</b>  | <b>6,909</b>   |

See footnotes at end of table.

**Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-October 2022**  
(Thousand Barrels) — Continued

| Country of Origin                     | Biofuels     |           |                       |                             | Distillate Fuel Oil     |                                       |                 |                       |        | Kerosene | Finished Aviation Gasoline |
|---------------------------------------|--------------|-----------|-----------------------|-----------------------------|-------------------------|---------------------------------------|-----------------|-----------------------|--------|----------|----------------------------|
|                                       | Fuel Ethanol | Biodiesel | Renewable Diesel Fuel | Other Biofuels <sup>3</sup> | 15 ppm sulfur and under | Greater than 15 ppm to 500 ppm sulfur | 501 to 2000 ppm | Greater than 2000 ppm | Total  |          |                            |
| <b>OPEC</b> .....                     | —            | —         | —                     | —                           | 3,110                   | —                                     | —               | —                     | 3,110  | —        | —                          |
| Algeria .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Angola .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Congo (Brazzaville) .....             | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Equatorial Guinea .....               | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Gabon .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Iran .....                            | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Iraq .....                            | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Kuwait .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Libya .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Nigeria .....                         | —            | —         | —                     | —                           | 645                     | —                                     | —               | —                     | 645    | —        | —                          |
| Saudi Arabia .....                    | —            | —         | —                     | —                           | 2,417                   | —                                     | —               | —                     | 2,417  | —        | —                          |
| United Arab Emirates .....            | —            | —         | —                     | —                           | 48                      | —                                     | —               | —                     | 48     | —        | —                          |
| Venezuela .....                       | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| <b>Non-OPEC</b> .....                 | 193          | 1,771     | —                     | —                           | 40,118                  | 61                                    | 62              | —                     | 40,241 | —        | 143                        |
| Argentina .....                       | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Aruba .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Australia .....                       | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Bahamas .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Bahrain .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Belgium .....                         | —            | —         | —                     | —                           | 776                     | —                                     | 62              | —                     | 838    | —        | —                          |
| Brazil .....                          | 193          | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Brunei .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Cameroon .....                        | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Canada .....                          | —            | 580       | —                     | —                           | 30,473                  | 61                                    | —               | —                     | 30,534 | —        | 9                          |
| Chad .....                            | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| China .....                           | —            | —         | —                     | —                           | 1                       | —                                     | —               | —                     | 1      | —        | —                          |
| Colombia .....                        | —            | —         | —                     | —                           | 717                     | —                                     | —               | —                     | 717    | —        | —                          |
| Denmark .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Ecuador .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Egypt .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Estonia .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Finland .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| France .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Germany .....                         | —            | 891       | —                     | —                           | 20                      | —                                     | —               | —                     | 20     | —        | —                          |
| Guatemala .....                       | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| India .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Indonesia .....                       | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Italy .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Korea, South .....                    | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Latvia .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Lithuania .....                       | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Malaysia .....                        | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Mexico .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Netherlands .....                     | —            | —         | —                     | —                           | 2,850                   | —                                     | —               | —                     | 2,850  | —        | 134                        |
| Norway .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Oman .....                            | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Portugal .....                        | —            | —         | —                     | —                           | 256                     | —                                     | —               | —                     | 256    | —        | —                          |
| Qatar .....                           | —            | —         | —                     | —                           | 3,004                   | —                                     | —               | —                     | 3,004  | —        | —                          |
| Russia .....                          | —            | —         | —                     | —                           | 2,021                   | —                                     | —               | —                     | 2,021  | —        | —                          |
| Spain .....                           | —            | 300       | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Sweden .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Syria .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Trinidad and Tobago .....             | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| United Kingdom .....                  | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Vietnam .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Virgin Islands, U.S. ....             | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Yemen .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —      | —        | —                          |
| Other .....                           | 0            | 0         | —                     | —                           | 0                       | 0                                     | 0               | —                     | 0      | —        | 0                          |
| <b>Total</b> .....                    | 193          | 1,771     | —                     | —                           | 43,228                  | 61                                    | 62              | —                     | 43,351 | —        | 143                        |
| <b>Persian Gulf<sup>4</sup></b> ..... | —            | —         | —                     | —                           | 5,469                   | —                                     | —               | —                     | 5,469  | —        | —                          |

See footnotes at end of table.

**Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-October 2022**  
(Thousand Barrels) — Continued

| Country of Origin               | Aviation Gasoline Blending Components | Kerosene-Type Jet Fuel | Special Naphthas | Residual Fuel Oil       |                       |                            |        | Petrochemical Feedstocks |            |
|---------------------------------|---------------------------------------|------------------------|------------------|-------------------------|-----------------------|----------------------------|--------|--------------------------|------------|
|                                 |                                       |                        |                  | Less than 0.31 % sulfur | 0.31 to 1.00 % sulfur | Greater than 1.00 % sulfur | Total  | Naphtha                  | Other Oils |
| <b>OPEC</b>                     | —                                     | 2,966                  | —                | 349                     | 62                    | 432                        | 843    | 70                       | —          |
| Algeria                         | —                                     | —                      | —                | 349                     | —                     | 5                          | 354    | —                        | —          |
| Angola                          | —                                     | —                      | —                | —                       | —                     | —                          | —      | 70                       | —          |
| Congo (Brazzaville)             | —                                     | —                      | —                | —                       | 62                    | 30                         | 92     | —                        | —          |
| Equatorial Guinea               | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Gabon                           | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Iran                            | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Iraq                            | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Kuwait                          | —                                     | 2,295                  | —                | —                       | —                     | —                          | —      | —                        | —          |
| Libya                           | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Nigeria                         | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Saudi Arabia                    | —                                     | 396                    | —                | —                       | —                     | 393                        | 393    | —                        | —          |
| United Arab Emirates            | —                                     | 275                    | —                | —                       | —                     | 4                          | 4      | —                        | —          |
| Venezuela                       | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| <b>Non-OPEC</b>                 | —                                     | 5,576                  | 117              | 1,259                   | 5,251                 | 11,787                     | 18,297 | 414                      | 11         |
| Argentina                       | —                                     | —                      | —                | —                       | —                     | 1                          | 1      | —                        | —          |
| Aruba                           | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Australia                       | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Bahamas                         | —                                     | —                      | —                | —                       | 32                    | 324                        | 356    | —                        | —          |
| Bahrain                         | —                                     | —                      | —                | —                       | —                     | 135                        | 135    | —                        | —          |
| Belgium                         | —                                     | —                      | —                | —                       | 548                   | 134                        | 682    | —                        | —          |
| Brazil                          | —                                     | —                      | —                | —                       | 4                     | 330                        | 334    | —                        | —          |
| Brunei                          | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Cameroon                        | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Canada                          | —                                     | 2,512                  | 117              | 371                     | 61                    | 1,399                      | 1,831  | 20                       | 11         |
| Chad                            | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| China                           | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Colombia                        | —                                     | —                      | —                | —                       | 225                   | 3,481                      | 3,706  | —                        | —          |
| Denmark                         | —                                     | —                      | —                | —                       | 384                   | —                          | 384    | —                        | —          |
| Ecuador                         | —                                     | —                      | —                | —                       | 100                   | 869                        | 969    | —                        | —          |
| Egypt                           | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Estonia                         | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Finland                         | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| France                          | —                                     | —                      | —                | —                       | —                     | 102                        | 102    | 69                       | —          |
| Germany                         | —                                     | —                      | —                | 145                     | 464                   | 14                         | 623    | —                        | —          |
| Guatemala                       | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| India                           | —                                     | 1,319                  | —                | —                       | —                     | —                          | —      | —                        | —          |
| Indonesia                       | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Italy                           | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Korea, South                    | —                                     | 1,034                  | —                | —                       | —                     | —                          | —      | 63                       | —          |
| Latvia                          | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Lithuania                       | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Malaysia                        | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Mexico                          | —                                     | 10                     | —                | —                       | 616                   | 3,135                      | 3,751  | —                        | —          |
| Netherlands                     | —                                     | —                      | —                | —                       | 533                   | 456                        | 989    | —                        | —          |
| Norway                          | —                                     | —                      | —                | —                       | 361                   | —                          | 361    | —                        | —          |
| Oman                            | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Portugal                        | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Qatar                           | —                                     | 442                    | —                | —                       | —                     | —                          | —      | —                        | —          |
| Russia                          | —                                     | —                      | —                | —                       | —                     | 882                        | 882    | —                        | —          |
| Spain                           | —                                     | —                      | —                | —                       | 683                   | 8                          | 691    | —                        | —          |
| Sweden                          | —                                     | —                      | —                | —                       | 225                   | —                          | 225    | —                        | —          |
| Syria                           | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Trinidad and Tobago             | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| United Kingdom                  | —                                     | —                      | —                | —                       | 29                    | 11                         | 40     | —                        | —          |
| Vietnam                         | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Virgin Islands, U.S.            | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Yemen                           | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Other                           | —                                     | 259                    | 0                | 743                     | 986                   | 506                        | 2,235  | 262                      | 0          |
| <b>Total</b>                    | —                                     | 8,542                  | 117              | 1,608                   | 5,313                 | 12,219                     | 19,140 | 484                      | 11         |
| <b>Persian Gulf<sup>1</sup></b> | —                                     | 3,408                  | —                | —                       | —                     | 532                        | 532    | —                        | —          |

See footnotes at end of table.

**Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-October 2022**  
(Thousand Barrels) — Continued

| Country of Origin               | Waxes | Petroleum Coke | Asphalt and Road Oil | Lubricants | Miscellaneous Products | Total Products | Total Crude Oil and Products | Daily Average |          |       |
|---------------------------------|-------|----------------|----------------------|------------|------------------------|----------------|------------------------------|---------------|----------|-------|
|                                 |       |                |                      |            |                        |                |                              | Crude Oil     | Products | Total |
| <b>OPEC</b>                     | —     | —              | —                    | 137        | —                      | 20,518         | 107,419                      | 286           | 67       | 353   |
| Algeria                         | —     | —              | —                    | —          | —                      | 1,042          | 4,270                        | 11            | 3        | 14    |
| Angola                          | —     | —              | —                    | —          | —                      | 1,250          | 13,018                       | 39            | 4        | 43    |
| Congo (Brazzaville)             | —     | —              | —                    | —          | —                      | 99             | 1,031                        | 3             | 0        | 3     |
| Equatorial Guinea               | —     | —              | —                    | —          | —                      | 509            | 509                          | —             | 2        | 2     |
| Gabon                           | —     | —              | —                    | —          | —                      | —              | 708                          | 2             | —        | 2     |
| Iran                            | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Iraq                            | —     | —              | —                    | —          | —                      | 346            | 346                          | —             | 1        | 1     |
| Kuwait                          | —     | —              | —                    | —          | —                      | 2,310          | 2,310                        | —             | 8        | 8     |
| Libya                           | —     | —              | —                    | —          | —                      | —              | 17,176                       | 57            | —        | 57    |
| Nigeria                         | —     | —              | —                    | —          | —                      | 3,593          | 30,244                       | 88            | 12       | 99    |
| Saudi Arabia                    | —     | —              | —                    | —          | —                      | 10,402         | 36,840                       | 87            | 34       | 121   |
| United Arab Emirates            | —     | —              | —                    | 137        | —                      | 967            | 967                          | —             | 3        | 3     |
| Venezuela                       | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| <b>Non-OPEC</b>                 | 987   | 12             | 10,168               | 1,170      | —                      | 246,329        | 344,911                      | 324           | 810      | 1,135 |
| Argentina                       | —     | —              | —                    | —          | —                      | 1,442          | 3,407                        | 6             | 5        | 11    |
| Aruba                           | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Australia                       | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Bahamas                         | —     | —              | —                    | —          | —                      | 5,348          | 5,348                        | —             | 18       | 18    |
| Bahrain                         | —     | —              | —                    | 19         | —                      | 154            | 154                          | —             | 1        | 1     |
| Belgium                         | —     | —              | —                    | 2          | —                      | 6,746          | 6,746                        | —             | 22       | 22    |
| Brazil                          | —     | 3              | —                    | —          | —                      | 2,488          | 2,488                        | —             | 8        | 8     |
| Brunei                          | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Cameroon                        | —     | —              | —                    | —          | —                      | 1              | 1                            | —             | 0        | 0     |
| Canada                          | 827   | —              | 8,987                | 710        | —                      | 89,655         | 128,724                      | 129           | 295      | 423   |
| Chad                            | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| China                           | 123   | —              | —                    | —          | —                      | 124            | 124                          | —             | 0        | 0     |
| Colombia                        | —     | —              | 230                  | —          | —                      | 4,653          | 6,146                        | 5             | 15       | 20    |
| Denmark                         | —     | —              | —                    | 23         | —                      | 486            | 486                          | —             | 2        | 2     |
| Ecuador                         | —     | —              | —                    | —          | —                      | 1,477          | 1,477                        | —             | 5        | 5     |
| Egypt                           | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Estonia                         | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Finland                         | —     | —              | —                    | —          | —                      | 4,632          | 4,632                        | —             | 15       | 15    |
| France                          | —     | —              | —                    | 83         | —                      | 6,379          | 6,379                        | —             | 21       | 21    |
| Germany                         | —     | —              | —                    | 93         | —                      | 2,489          | 2,489                        | —             | 8        | 8     |
| Guatemala                       | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| India                           | —     | —              | —                    | —          | —                      | 14,560         | 14,560                       | —             | 48       | 48    |
| Indonesia                       | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Italy                           | —     | —              | 98                   | 34         | —                      | 8,057          | 8,057                        | —             | 27       | 27    |
| Korea, South                    | 7     | —              | —                    | 91         | —                      | 1,880          | 1,880                        | —             | 6        | 6     |
| Latvia                          | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Lithuania                       | —     | —              | —                    | —          | —                      | 2,067          | 2,067                        | —             | 7        | 7     |
| Malaysia                        | 6     | —              | —                    | —          | —                      | 443            | 443                          | —             | 1        | 1     |
| Mexico                          | —     | —              | —                    | —          | —                      | 7,905          | 26,779                       | 62            | 26       | 88    |
| Netherlands                     | —     | —              | —                    | 88         | —                      | 20,928         | 20,928                       | —             | 69       | 69    |
| Norway                          | —     | —              | —                    | —          | —                      | 6,026          | 12,115                       | 20            | 20       | 40    |
| Oman                            | —     | —              | —                    | —          | —                      | 308            | 308                          | —             | 1        | 1     |
| Portugal                        | —     | —              | —                    | —          | —                      | 7,389          | 7,389                        | —             | 24       | 24    |
| Qatar                           | —     | —              | —                    | —          | —                      | 3,446          | 3,446                        | —             | 11       | 11    |
| Russia                          | —     | —              | —                    | 5          | —                      | 7,854          | 10,952                       | 10            | 26       | 36    |
| Spain                           | 9     | —              | 294                  | —          | —                      | 11,168         | 11,168                       | —             | 37       | 37    |
| Sweden                          | —     | —              | —                    | 5          | —                      | 1,808          | 1,808                        | —             | 6        | 6     |
| Syria                           | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Trinidad and Tobago             | —     | —              | —                    | —          | —                      | 39             | 2,500                        | 8             | 0        | 8     |
| United Kingdom                  | —     | 2              | —                    | —          | —                      | 17,335         | 20,872                       | 12            | 57       | 69    |
| Vietnam                         | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Virgin Islands, U.S.            | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Yemen                           | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Other                           | 15    | 7              | 559                  | 17         | —                      | 9,042          | 30,330                       | 70            | 29       | 101   |
| <b>Total</b>                    | 987   | 12             | 10,168               | 1,307      | —                      | 266,847        | 452,330                      | 610           | 878      | 1,488 |
| <b>Persian Gulf<sup>4</sup></b> | —     | —              | —                    | 156        | —                      | 17,625         | 44,063                       | 87            | 58       | 145   |

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

<sup>4</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-October 2022**  
(Thousand Barrels)

| Country of Origin                     | Crude Oil <sup>1,2</sup> | Natural Gas Liquids | Refinery Olefins | Unfinished Oils <sup>1</sup> | Finished Motor Gasoline |               |       | Motor Gasoline Blending Components |               |              |
|---------------------------------------|--------------------------|---------------------|------------------|------------------------------|-------------------------|---------------|-------|------------------------------------|---------------|--------------|
|                                       |                          |                     |                  |                              | Reform-ulated           | Conven-tional | Total | Reform-ulated                      | Conven-tional | Total        |
| <b>OPEC</b> .....                     | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Algeria .....                         | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Angola .....                          | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Congo (Brazzaville) .....             | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Equatorial Guinea .....               | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Gabon .....                           | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Iran .....                            | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Iraq .....                            | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Kuwait .....                          | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Libya .....                           | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Nigeria .....                         | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Saudi Arabia .....                    | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| United Arab Emirates .....            | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Venezuela .....                       | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| <b>Non-OPEC</b> .....                 | <b>792,816</b>           | <b>20,679</b>       | <b>1,826</b>     | -                            | -                       | -             | -     | -                                  | <b>3,951</b>  | <b>3,951</b> |
| Argentina .....                       | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Aruba .....                           | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Australia .....                       | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Bahamas .....                         | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Bahrain .....                         | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Belgium .....                         | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Brazil .....                          | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Brunei .....                          | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Cameroon .....                        | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Canada .....                          | 792,816                  | 20,672              | 1,826            | -                            | -                       | -             | -     | -                                  | 3,951         | 3,951        |
| Chad .....                            | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| China .....                           | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Colombia .....                        | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Denmark .....                         | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Ecuador .....                         | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Egypt .....                           | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Estonia .....                         | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Finland .....                         | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| France .....                          | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Germany .....                         | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Guatemala .....                       | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| India .....                           | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Indonesia .....                       | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Italy .....                           | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Korea, South .....                    | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Latvia .....                          | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Lithuania .....                       | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Malaysia .....                        | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Mexico .....                          | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Netherlands .....                     | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Norway .....                          | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Oman .....                            | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Portugal .....                        | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Qatar .....                           | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Russia .....                          | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Spain .....                           | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Sweden .....                          | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Syria .....                           | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Trinidad and Tobago .....             | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| United Kingdom .....                  | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Vietnam .....                         | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Virgin Islands, U.S. ....             | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Yemen .....                           | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |
| Other .....                           | 0                        | 7                   | 0                | -                            | -                       | -             | -     | -                                  | 0             | 0            |
| <b>Total</b> .....                    | <b>792,816</b>           | <b>20,679</b>       | <b>1,826</b>     | -                            | -                       | -             | -     | -                                  | <b>3,951</b>  | <b>3,951</b> |
| <b>Persian Gulf<sup>4</sup></b> ..... | -                        | -                   | -                | -                            | -                       | -             | -     | -                                  | -             | -            |

See footnotes at end of table.

**Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-October 2022**  
(Thousand Barrels) — Continued

| Country of Origin                     | Biofuels     |           |                       |                             | Distillate Fuel Oil     |                                       |                 |                       |       | Kerosene | Finished Aviation Gasoline |
|---------------------------------------|--------------|-----------|-----------------------|-----------------------------|-------------------------|---------------------------------------|-----------------|-----------------------|-------|----------|----------------------------|
|                                       | Fuel Ethanol | Biodiesel | Renewable Diesel Fuel | Other Biofuels <sup>3</sup> | 15 ppm sulfur and under | Greater than 15 ppm to 500 ppm sulfur | 501 to 2000 ppm | Greater than 2000 ppm | Total |          |                            |
| <b>OPEC</b> .....                     | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Algeria .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Angola .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Congo (Brazzaville) .....             | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Equatorial Guinea .....               | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Gabon .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Iran .....                            | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Iraq .....                            | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Kuwait .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Libya .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Nigeria .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Saudi Arabia .....                    | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| United Arab Emirates .....            | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Venezuela .....                       | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| <b>Non-OPEC</b> .....                 | —            | 819       | —                     | —                           | 2,553                   | 49                                    | 133             | —                     | 2,735 | —        | 44                         |
| Argentina .....                       | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Aruba .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Australia .....                       | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Bahamas .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Bahrain .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Belgium .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Brazil .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Brunei .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Cameroon .....                        | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Canada .....                          | —            | 819       | —                     | —                           | 2,553                   | 49                                    | 133             | —                     | 2,735 | —        | 44                         |
| Chad .....                            | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| China .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Colombia .....                        | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Denmark .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Ecuador .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Egypt .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Estonia .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Finland .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| France .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Germany .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Guatemala .....                       | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| India .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Indonesia .....                       | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Italy .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Korea, South .....                    | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Latvia .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Lithuania .....                       | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Malaysia .....                        | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Mexico .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Netherlands .....                     | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Norway .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Oman .....                            | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Portugal .....                        | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Qatar .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Russia .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Spain .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Sweden .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Syria .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Trinidad and Tobago .....             | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| United Kingdom .....                  | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Vietnam .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Virgin Islands, U.S. ....             | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Yemen .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Other .....                           | —            | 0         | —                     | —                           | 0                       | 0                                     | 0               | —                     | 0     | —        | 0                          |
| <b>Total</b> .....                    | —            | 819       | —                     | —                           | 2,553                   | 49                                    | 133             | —                     | 2,735 | —        | 44                         |
| <b>Persian Gulf<sup>4</sup></b> ..... | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |

See footnotes at end of table.

**Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-October 2022**  
(Thousand Barrels) — Continued

| Country of Origin                     | Aviation Gasoline Blending Components | Kerosene-Type Jet Fuel | Special Naphthas | Residual Fuel Oil       |                       |                            |       | Petrochemical Feedstocks |            |
|---------------------------------------|---------------------------------------|------------------------|------------------|-------------------------|-----------------------|----------------------------|-------|--------------------------|------------|
|                                       |                                       |                        |                  | Less than 0.31 % sulfur | 0.31 to 1.00 % sulfur | Greater than 1.00 % sulfur | Total | Naphtha                  | Other Oils |
| <b>OPEC</b> .....                     | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Algeria .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Angola .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Congo (Brazzaville) .....             | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Equatorial Guinea .....               | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Gabon .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Iran .....                            | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Iraq .....                            | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Kuwait .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Libya .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Nigeria .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Saudi Arabia .....                    | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| United Arab Emirates .....            | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Venezuela .....                       | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| <b>Non-OPEC</b> .....                 | —                                     | 34                     | 78               | —                       | 98                    | 1,092                      | 1,190 | 879                      | 609        |
| Argentina .....                       | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Aruba .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Australia .....                       | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Bahamas .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Bahrain .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Belgium .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Brazil .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Brunei .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Cameroon .....                        | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Canada .....                          | —                                     | 34                     | 78               | —                       | 98                    | 1,092                      | 1,190 | 879                      | 609        |
| Chad .....                            | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| China .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Colombia .....                        | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Denmark .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Ecuador .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Egypt .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Estonia .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Finland .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| France .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Germany .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Guatemala .....                       | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| India .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Indonesia .....                       | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Italy .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Korea, South .....                    | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Latvia .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Lithuania .....                       | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Malaysia .....                        | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Mexico .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Netherlands .....                     | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Norway .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Oman .....                            | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Portugal .....                        | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Qatar .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Russia .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Spain .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Sweden .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Syria .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Trinidad and Tobago .....             | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| United Kingdom .....                  | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Vietnam .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Virgin Islands, U.S. ....             | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Yemen .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Other .....                           | —                                     | 0                      | 0                | —                       | 0                     | 0                          | 0     | 0                        | 0          |
| <b>Total</b> .....                    | —                                     | 34                     | 78               | —                       | 98                    | 1,092                      | 1,190 | 879                      | 609        |
| <b>Persian Gulf<sup>4</sup></b> ..... | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |

See footnotes at end of table.



**Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-October 2022**  
(Thousand Barrels) — Continued

| Country of Origin                     | Waxes      | Petroleum Coke | Asphalt and Road Oil | Lubricants   | Miscellaneous Products | Total Products | Total Crude Oil and Products | Daily Average |            |              |
|---------------------------------------|------------|----------------|----------------------|--------------|------------------------|----------------|------------------------------|---------------|------------|--------------|
|                                       |            |                |                      |              |                        |                |                              | Crude Oil     | Products   | Total        |
| <b>OPEC</b> .....                     | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Algeria .....                         | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Angola .....                          | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Congo (Brazzaville) .....             | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Equatorial Guinea .....               | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Gabon .....                           | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Iran .....                            | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Iraq .....                            | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Kuwait .....                          | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Libya .....                           | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Nigeria .....                         | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Saudi Arabia .....                    | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| United Arab Emirates .....            | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Venezuela .....                       | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| <b>Non-OPEC</b> .....                 | <b>137</b> | <b>218</b>     | <b>4,921</b>         | <b>2,152</b> | <b>—</b>               | <b>40,272</b>  | <b>833,088</b>               | <b>2,608</b>  | <b>132</b> | <b>2,740</b> |
| Argentina .....                       | —          | —              | —                    | 6            | —                      | 6              | 6                            | —             | 0          | 0            |
| Aruba .....                           | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Australia .....                       | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Bahamas .....                         | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Bahrain .....                         | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Belgium .....                         | —          | —              | —                    | 1            | —                      | 1              | 1                            | —             | 0          | 0            |
| Brazil .....                          | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Brunei .....                          | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Cameroon .....                        | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Canada .....                          | 133        | 214            | 4,921                | 2,141        | —                      | 40,246         | 833,062                      | 2,608         | 132        | 2,740        |
| Chad .....                            | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| China .....                           | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Colombia .....                        | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Denmark .....                         | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Ecuador .....                         | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Egypt .....                           | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Estonia .....                         | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Finland .....                         | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| France .....                          | —          | —              | —                    | 1            | —                      | 1              | 1                            | —             | 0          | 0            |
| Germany .....                         | —          | —              | —                    | 3            | —                      | 3              | 3                            | —             | 0          | 0            |
| Guatemala .....                       | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| India .....                           | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Indonesia .....                       | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Italy .....                           | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Korea, South .....                    | —          | —              | —                    | —            | —                      | 7              | 7                            | —             | 0          | 0            |
| Latvia .....                          | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Lithuania .....                       | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Malaysia .....                        | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Mexico .....                          | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Netherlands .....                     | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Norway .....                          | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Oman .....                            | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Portugal .....                        | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Qatar .....                           | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Russia .....                          | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Spain .....                           | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Sweden .....                          | —          | 4              | —                    | —            | —                      | 4              | 4                            | —             | 0          | 0            |
| Syria .....                           | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Trinidad and Tobago .....             | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| United Kingdom .....                  | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Vietnam .....                         | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Virgin Islands, U.S. ....             | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Yemen .....                           | —          | —              | —                    | —            | —                      | —              | —                            | —             | —          | —            |
| Other .....                           | 4          | 0              | 0                    | 0            | —                      | 4              | 4                            | 0             | 0          | 0            |
| <b>Total</b> .....                    | <b>137</b> | <b>218</b>     | <b>4,921</b>         | <b>2,152</b> | <b>—</b>               | <b>40,272</b>  | <b>833,088</b>               | <b>2,608</b>  | <b>132</b> | <b>2,740</b> |
| <b>Persian Gulf<sup>4</sup></b> ..... | <b>—</b>   | <b>—</b>       | <b>—</b>             | <b>—</b>     | <b>—</b>               | <b>—</b>       | <b>—</b>                     | <b>—</b>      | <b>—</b>   | <b>—</b>     |

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

<sup>4</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-October 2022**  
(Thousand Barrels)

| Country of Origin                     | Crude Oil <sup>1,2</sup> | Natural Gas Liquids | Refinery Olefins | Unfinished Oils <sup>1</sup> | Finished Motor Gasoline |              |            | Motor Gasoline Blending Components |               |               |
|---------------------------------------|--------------------------|---------------------|------------------|------------------------------|-------------------------|--------------|------------|------------------------------------|---------------|---------------|
|                                       |                          |                     |                  |                              | Reformulated            | Conventional | Total      | Reformulated                       | Conventional  | Total         |
| <b>OPEC</b> .....                     | <b>89,698</b>            | <b>16</b>           | <b>-</b>         | <b>44,404</b>                | <b>-</b>                | <b>-</b>     | <b>-</b>   | <b>-</b>                           | <b>-</b>      | <b>-</b>      |
| Algeria .....                         | -                        | -                   | -                | 2,033                        | -                       | -            | -          | -                                  | -             | -             |
| Angola .....                          | 949                      | -                   | -                | -                            | -                       | -            | -          | -                                  | -             | -             |
| Congo (Brazzaville) .....             | -                        | -                   | -                | -                            | -                       | -            | -          | -                                  | -             | -             |
| Equatorial Guinea .....               | -                        | -                   | -                | -                            | -                       | -            | -          | -                                  | -             | -             |
| Gabon .....                           | -                        | -                   | -                | -                            | -                       | -            | -          | -                                  | -             | -             |
| Iran .....                            | 507                      | -                   | -                | -                            | -                       | -            | -          | -                                  | -             | -             |
| Iraq .....                            | 17,869                   | -                   | -                | 18,562                       | -                       | -            | -          | -                                  | -             | -             |
| Kuwait .....                          | 5,590                    | -                   | -                | 2,311                        | -                       | -            | -          | -                                  | -             | -             |
| Libya .....                           | -                        | -                   | -                | 46                           | -                       | -            | -          | -                                  | -             | -             |
| Nigeria .....                         | -                        | -                   | -                | -                            | -                       | -            | -          | -                                  | -             | -             |
| Saudi Arabia .....                    | 64,783                   | -                   | -                | 15,399                       | -                       | -            | -          | -                                  | -             | -             |
| United Arab Emirates .....            | -                        | -                   | -                | 6,053                        | -                       | -            | -          | -                                  | -             | -             |
| Venezuela .....                       | -                        | -                   | -                | -                            | -                       | -            | -          | -                                  | -             | -             |
| <b>Non-OPEC</b> .....                 | <b>403,920</b>           | <b>32</b>           | <b>51</b>        | <b>83,336</b>                | <b>-</b>                | <b>179</b>   | <b>179</b> | <b>417</b>                         | <b>15,331</b> | <b>15,748</b> |
| Argentina .....                       | -                        | -                   | -                | -                            | -                       | -            | -          | -                                  | 712           | 712           |
| Aruba .....                           | -                        | -                   | -                | -                            | -                       | -            | -          | -                                  | -             | -             |
| Australia .....                       | -                        | -                   | -                | -                            | -                       | -            | -          | -                                  | -             | -             |
| Bahamas .....                         | -                        | -                   | -                | -                            | -                       | -            | -          | -                                  | 46            | 46            |
| Bahrain .....                         | -                        | -                   | -                | -                            | -                       | -            | -          | -                                  | -             | -             |
| Belgium .....                         | -                        | -                   | -                | 673                          | -                       | -            | -          | -                                  | 179           | 179           |
| Brazil .....                          | 2,961                    | -                   | -                | 4,012                        | -                       | -            | -          | -                                  | 421           | 421           |
| Brunei .....                          | -                        | -                   | -                | -                            | -                       | -            | -          | -                                  | 287           | 287           |
| Cameroon .....                        | -                        | -                   | -                | -                            | -                       | -            | -          | -                                  | -             | -             |
| Canada .....                          | 166,889                  | -                   | -                | 6,695                        | -                       | -            | -          | -                                  | 26            | 26            |
| Chad .....                            | -                        | -                   | -                | -                            | -                       | -            | -          | -                                  | -             | -             |
| China .....                           | -                        | -                   | -                | -                            | -                       | -            | -          | -                                  | -             | -             |
| Colombia .....                        | 48,136                   | -                   | -                | 528                          | -                       | -            | -          | -                                  | 14            | 14            |
| Denmark .....                         | -                        | -                   | -                | -                            | -                       | -            | -          | -                                  | 100           | 100           |
| Ecuador .....                         | -                        | -                   | -                | 4,524                        | -                       | -            | -          | -                                  | -             | -             |
| Egypt .....                           | -                        | -                   | -                | 1,366                        | -                       | -            | -          | -                                  | -             | -             |
| Estonia .....                         | -                        | -                   | -                | -                            | -                       | -            | -          | -                                  | -             | -             |
| Finland .....                         | -                        | -                   | -                | -                            | -                       | -            | -          | -                                  | 377           | 377           |
| France .....                          | -                        | -                   | -                | 1,031                        | -                       | 48           | 48         | -                                  | 231           | 231           |
| Germany .....                         | -                        | -                   | -                | 83                           | -                       | -            | -          | -                                  | 167           | 167           |
| Guatemala .....                       | 868                      | -                   | -                | -                            | -                       | -            | -          | -                                  | -             | -             |
| India .....                           | -                        | -                   | -                | 764                          | -                       | -            | -          | -                                  | 3,778         | 3,778         |
| Indonesia .....                       | -                        | -                   | -                | -                            | -                       | -            | -          | -                                  | -             | -             |
| Italy .....                           | -                        | -                   | -                | 2,313                        | -                       | -            | -          | 92                                 | 441           | 533           |
| Korea, South .....                    | -                        | -                   | -                | -                            | -                       | -            | -          | -                                  | 2,383         | 2,383         |
| Latvia .....                          | -                        | -                   | -                | -                            | -                       | -            | -          | -                                  | -             | -             |
| Lithuania .....                       | -                        | -                   | -                | 113                          | -                       | -            | -          | -                                  | 18            | 18            |
| Malaysia .....                        | -                        | -                   | -                | 4,778                        | -                       | -            | -          | -                                  | 184           | 184           |
| Mexico .....                          | 167,458                  | -                   | 25               | 15,092                       | -                       | -            | -          | -                                  | 231           | 231           |
| Netherlands .....                     | -                        | -                   | -                | 2,269                        | -                       | -            | -          | -                                  | 153           | 153           |
| Norway .....                          | -                        | -                   | -                | -                            | -                       | -            | -          | -                                  | -             | -             |
| Oman .....                            | -                        | -                   | -                | 298                          | -                       | -            | -          | -                                  | -             | -             |
| Portugal .....                        | -                        | -                   | -                | -                            | -                       | -            | -          | -                                  | 280           | 280           |
| Qatar .....                           | -                        | -                   | -                | 566                          | -                       | -            | -          | -                                  | -             | -             |
| Russia .....                          | -                        | -                   | -                | 31,716                       | -                       | 46           | 46         | -                                  | 149           | 149           |
| Spain .....                           | -                        | -                   | -                | 168                          | -                       | -            | -          | -                                  | 372           | 372           |
| Sweden .....                          | -                        | -                   | -                | -                            | -                       | -            | -          | -                                  | 94            | 94            |
| Syria .....                           | -                        | -                   | -                | -                            | -                       | -            | -          | -                                  | -             | -             |
| Trinidad and Tobago .....             | 7,493                    | -                   | -                | -                            | -                       | -            | -          | -                                  | -             | -             |
| United Kingdom .....                  | 7,822                    | -                   | -                | 296                          | -                       | 85           | 85         | -                                  | 392           | 392           |
| Vietnam .....                         | -                        | -                   | -                | -                            | -                       | -            | -          | -                                  | -             | -             |
| Virgin Islands, U.S. ....             | -                        | -                   | -                | -                            | -                       | -            | -          | -                                  | -             | -             |
| Yemen .....                           | -                        | -                   | -                | -                            | -                       | -            | -          | -                                  | -             | -             |
| Other .....                           | 2,293                    | 32                  | 26               | 6,051                        | -                       | 0            | 0          | 325                                | 4,296         | 4,621         |
| <b>Total</b> .....                    | <b>493,618</b>           | <b>48</b>           | <b>51</b>        | <b>127,740</b>               | <b>-</b>                | <b>179</b>   | <b>179</b> | <b>417</b>                         | <b>15,331</b> | <b>15,748</b> |
| <b>Persian Gulf<sup>4</sup></b> ..... | <b>88,749</b>            | <b>-</b>            | <b>-</b>         | <b>42,891</b>                | <b>-</b>                | <b>-</b>     | <b>-</b>   | <b>-</b>                           | <b>-</b>      | <b>-</b>      |

See footnotes at end of table.

**Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-October 2022**  
(Thousand Barrels) — Continued

| Country of Origin                     | Biofuels     |           |                       |                             | Distillate Fuel Oil     |                                       |                 |                       |       | Kerosene | Finished Aviation Gasoline |
|---------------------------------------|--------------|-----------|-----------------------|-----------------------------|-------------------------|---------------------------------------|-----------------|-----------------------|-------|----------|----------------------------|
|                                       | Fuel Ethanol | Biodiesel | Renewable Diesel Fuel | Other Biofuels <sup>3</sup> | 15 ppm sulfur and under | Greater than 15 ppm to 500 ppm sulfur | 501 to 2000 ppm | Greater than 2000 ppm | Total |          |                            |
| <b>OPEC</b> .....                     | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Algeria .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Angola .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Congo (Brazzaville) .....             | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Equatorial Guinea .....               | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Gabon .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Iran .....                            | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Iraq .....                            | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Kuwait .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Libya .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Nigeria .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Saudi Arabia .....                    | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| United Arab Emirates .....            | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Venezuela .....                       | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| <b>Non-OPEC</b> .....                 | —            | 705       | —                     | 50                          | 136                     | 25                                    | 110             | —                     | 271   | —        | 80                         |
| Argentina .....                       | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Aruba .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Australia .....                       | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Bahamas .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Bahrain .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Belgium .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Brazil .....                          | —            | —         | —                     | —                           | —                       | 25                                    | —               | —                     | 25    | —        | —                          |
| Brunei .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Cameroon .....                        | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Canada .....                          | —            | 213       | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Chad .....                            | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| China .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Colombia .....                        | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Denmark .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Ecuador .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Egypt .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Estonia .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | 49                         |
| Finland .....                         | —            | —         | —                     | 50                          | —                       | —                                     | —               | —                     | —     | —        | —                          |
| France .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Germany .....                         | —            | 185       | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Guatemala .....                       | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| India .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Indonesia .....                       | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Italy .....                           | —            | 117       | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Korea, South .....                    | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Latvia .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Lithuania .....                       | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Malaysia .....                        | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Mexico .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Netherlands .....                     | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | 31                         |
| Norway .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Oman .....                            | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Portugal .....                        | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Qatar .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Russia .....                          | —            | —         | —                     | —                           | 136                     | —                                     | 110             | —                     | 246   | —        | —                          |
| Spain .....                           | —            | 190       | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Sweden .....                          | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Syria .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Trinidad and Tobago .....             | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| United Kingdom .....                  | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Vietnam .....                         | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Virgin Islands, U.S. ....             | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Yemen .....                           | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Other .....                           | —            | 0         | —                     | 0                           | 0                       | 0                                     | 0               | —                     | 0     | —        | 0                          |
| <b>Total</b> .....                    | —            | 705       | —                     | 50                          | 136                     | 25                                    | 110             | —                     | 271   | —        | 80                         |
| <b>Persian Gulf<sup>4</sup></b> ..... | —            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |

See footnotes at end of table.

**Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-October 2022**  
(Thousand Barrels) — Continued

| Country of Origin                     | Aviation Gasoline Blending Components | Kerosene-Type Jet Fuel | Special Naphthas | Residual Fuel Oil       |                       |                            |        | Petrochemical Feedstocks |            |
|---------------------------------------|---------------------------------------|------------------------|------------------|-------------------------|-----------------------|----------------------------|--------|--------------------------|------------|
|                                       |                                       |                        |                  | Less than 0.31 % sulfur | 0.31 to 1.00 % sulfur | Greater than 1.00 % sulfur | Total  | Naphtha                  | Other Oils |
| <b>OPEC</b> .....                     | —                                     | —                      | 28               | 880                     | —                     | 2,090                      | 2,970  | —                        | —          |
| Algeria .....                         | —                                     | —                      | —                | 880                     | —                     | —                          | 880    | —                        | —          |
| Angola .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Congo (Brazzaville) .....             | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Equatorial Guinea .....               | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Gabon .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Iran .....                            | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Iraq .....                            | —                                     | —                      | —                | —                       | —                     | 574                        | 574    | —                        | —          |
| Kuwait .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Libya .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Nigeria .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Saudi Arabia .....                    | —                                     | —                      | 28               | —                       | —                     | 1,516                      | 1,516  | —                        | —          |
| United Arab Emirates .....            | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Venezuela .....                       | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| <b>Non-OPEC</b> .....                 | —                                     | —                      | 4,038            | —                       | 2,021                 | 37,465                     | 39,486 | 2,000                    | 341        |
| Argentina .....                       | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | 113        |
| Aruba .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Australia .....                       | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Bahamas .....                         | —                                     | —                      | —                | —                       | —                     | 505                        | 505    | —                        | —          |
| Bahrain .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Belgium .....                         | —                                     | —                      | —                | —                       | —                     | 550                        | 550    | —                        | —          |
| Brazil .....                          | —                                     | —                      | —                | —                       | 88                    | 5,121                      | 5,209  | —                        | —          |
| Brunei .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Cameroon .....                        | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Canada .....                          | —                                     | —                      | 928              | —                       | 282                   | 878                        | 1,160  | 11                       | 102        |
| Chad .....                            | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| China .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Colombia .....                        | —                                     | —                      | —                | —                       | —                     | 767                        | 767    | —                        | —          |
| Denmark .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Ecuador .....                         | —                                     | —                      | —                | —                       | —                     | 199                        | 199    | —                        | —          |
| Egypt .....                           | —                                     | —                      | —                | —                       | 27                    | —                          | 27     | —                        | —          |
| Estonia .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Finland .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| France .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | 116        |
| Germany .....                         | —                                     | —                      | 22               | —                       | —                     | —                          | —      | —                        | —          |
| Guatemala .....                       | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| India .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Indonesia .....                       | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Italy .....                           | —                                     | —                      | —                | —                       | —                     | 157                        | 157    | —                        | —          |
| Korea, South .....                    | —                                     | —                      | 2,774            | —                       | —                     | —                          | —      | 246                      | —          |
| Latvia .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Lithuania .....                       | —                                     | —                      | —                | —                       | —                     | 1,119                      | 1,119  | —                        | —          |
| Malaysia .....                        | —                                     | —                      | —                | —                       | —                     | 537                        | 537    | —                        | —          |
| Mexico .....                          | —                                     | —                      | 37               | —                       | —                     | 23,201                     | 23,201 | 969                      | —          |
| Netherlands .....                     | —                                     | —                      | 33               | —                       | —                     | 544                        | 544    | 8                        | —          |
| Norway .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Oman .....                            | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Portugal .....                        | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Qatar .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —      | 9                        | —          |
| Russia .....                          | —                                     | —                      | —                | —                       | 400                   | 3,506                      | 3,906  | —                        | —          |
| Spain .....                           | —                                     | —                      | 38               | —                       | —                     | —                          | —      | 25                       | —          |
| Sweden .....                          | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Syria .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Trinidad and Tobago .....             | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| United Kingdom .....                  | —                                     | —                      | —                | —                       | 390                   | —                          | 390    | 97                       | 10         |
| Vietnam .....                         | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Virgin Islands, U.S. ....             | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Yemen .....                           | —                                     | —                      | —                | —                       | —                     | —                          | —      | —                        | —          |
| Other .....                           | —                                     | —                      | 206              | 0                       | 834                   | 381                        | 1,215  | 635                      | 0          |
| <b>Total</b> .....                    | —                                     | —                      | 4,066            | 880                     | 2,021                 | 39,555                     | 42,456 | 2,000                    | 341        |
| <b>Persian Gulf<sup>1</sup></b> ..... | —                                     | —                      | 28               | —                       | —                     | 2,090                      | 2,090  | 9                        | —          |

See footnotes at end of table.

**Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-October 2022**  
(Thousand Barrels) — Continued

| Country of Origin               | Waxes      | Petroleum Coke | Asphalt and Road Oil | Lubricants    | Miscellaneous Products | Total Products | Total Crude Oil and Products | Daily Average |            |              |
|---------------------------------|------------|----------------|----------------------|---------------|------------------------|----------------|------------------------------|---------------|------------|--------------|
|                                 |            |                |                      |               |                        |                |                              | Crude Oil     | Products   | Total        |
| <b>OPEC</b>                     | —          | 155            | —                    | 1,915         | —                      | 49,488         | 139,186                      | 295           | 163        | 458          |
| Algeria                         | —          | —              | —                    | —             | —                      | 2,913          | 2,913                        | —             | 10         | 10           |
| Angola                          | —          | —              | —                    | —             | —                      | —              | 949                          | 3             | —          | 3            |
| Congo (Brazzaville)             | —          | —              | —                    | —             | —                      | —              | —                            | —             | —          | —            |
| Equatorial Guinea               | —          | —              | —                    | —             | —                      | 16             | 16                           | —             | 0          | 0            |
| Gabon                           | —          | —              | —                    | —             | —                      | —              | —                            | —             | —          | —            |
| Iran                            | —          | —              | —                    | —             | —                      | —              | 507                          | 2             | —          | 2            |
| Iraq                            | —          | —              | —                    | —             | —                      | 19,136         | 37,005                       | 59            | 63         | 122          |
| Kuwait                          | —          | 155            | —                    | —             | —                      | 2,466          | 8,056                        | 18            | 8          | 27           |
| Libya                           | —          | —              | —                    | —             | —                      | 46             | 46                           | —             | 0          | 0            |
| Nigeria                         | —          | —              | —                    | —             | —                      | —              | —                            | —             | —          | —            |
| Saudi Arabia                    | —          | —              | —                    | 29            | —                      | 16,972         | 81,755                       | 213           | 56         | 269          |
| United Arab Emirates            | —          | —              | —                    | 1,886         | —                      | 7,939          | 7,939                        | —             | 26         | 26           |
| Venezuela                       | —          | —              | —                    | —             | —                      | —              | —                            | —             | —          | —            |
| <b>Non-OPEC</b>                 | 350        | 2,785          | 59                   | 9,637         | —                      | 159,224        | 563,144                      | 1,329         | 524        | 1,852        |
| Argentina                       | —          | 824            | —                    | 38            | —                      | 1,687          | 1,687                        | —             | 6          | 6            |
| Aruba                           | —          | —              | —                    | —             | —                      | —              | —                            | —             | —          | —            |
| Australia                       | —          | —              | —                    | —             | —                      | —              | —                            | —             | —          | —            |
| Bahamas                         | —          | —              | —                    | —             | —                      | 551            | 551                          | —             | 2          | 2            |
| Bahrain                         | —          | —              | —                    | 603           | —                      | 603            | 603                          | —             | 2          | 2            |
| Belgium                         | —          | —              | —                    | 28            | —                      | 1,430          | 1,430                        | —             | 5          | 5            |
| Brazil                          | —          | 1,299          | —                    | —             | —                      | 11,019         | 13,980                       | 10            | 36         | 46           |
| Brunei                          | —          | —              | —                    | —             | —                      | 287            | 287                          | —             | 1          | 1            |
| Cameroon                        | —          | —              | —                    | —             | —                      | —              | —                            | —             | —          | —            |
| Canada                          | —          | —              | 1                    | 14            | —                      | 9,150          | 176,039                      | 549           | 30         | 579          |
| Chad                            | —          | —              | —                    | —             | —                      | —              | —                            | —             | —          | —            |
| China                           | 12         | —              | —                    | —             | —                      | 42             | 42                           | —             | 0          | 0            |
| Colombia                        | —          | 112            | —                    | —             | —                      | 1,421          | 49,557                       | 158           | 5          | 163          |
| Denmark                         | —          | —              | —                    | —             | —                      | 100            | 100                          | —             | 0          | 0            |
| Ecuador                         | —          | —              | —                    | —             | —                      | 4,723          | 4,723                        | —             | 16         | 16           |
| Egypt                           | 22         | —              | —                    | —             | —                      | 1,415          | 1,415                        | —             | 5          | 5            |
| Estonia                         | —          | —              | —                    | —             | —                      | 49             | 49                           | —             | 0          | 0            |
| Finland                         | —          | —              | —                    | —             | —                      | 427            | 427                          | —             | 1          | 1            |
| France                          | —          | —              | —                    | 27            | —                      | 1,453          | 1,453                        | —             | 5          | 5            |
| Germany                         | —          | 139            | —                    | 36            | —                      | 634            | 634                          | —             | 2          | 2            |
| Guatemala                       | —          | —              | —                    | —             | —                      | —              | 868                          | 3             | —          | 3            |
| India                           | —          | —              | —                    | 7             | —                      | 4,549          | 4,549                        | —             | 15         | 15           |
| Indonesia                       | —          | —              | —                    | 1,153         | —                      | 1,153          | 1,153                        | —             | 4          | 4            |
| Italy                           | —          | —              | —                    | 115           | —                      | 3,235          | 3,235                        | —             | 11         | 11           |
| Korea, South                    | —          | —              | —                    | 3,601         | —                      | 9,004          | 9,004                        | —             | 30         | 30           |
| Latvia                          | —          | —              | —                    | —             | —                      | —              | —                            | —             | —          | —            |
| Lithuania                       | —          | —              | —                    | —             | —                      | 1,250          | 1,250                        | —             | 4          | 4            |
| Malaysia                        | 162        | —              | —                    | —             | —                      | 5,661          | 5,661                        | —             | 19         | 19           |
| Mexico                          | 4          | —              | —                    | —             | —                      | 39,559         | 207,017                      | 551           | 130        | 681          |
| Netherlands                     | —          | —              | —                    | 529           | —                      | 3,567          | 3,567                        | —             | 12         | 12           |
| Norway                          | —          | —              | —                    | —             | —                      | —              | —                            | —             | —          | —            |
| Oman                            | —          | 133            | —                    | 65            | —                      | 496            | 496                          | —             | 2          | 2            |
| Portugal                        | —          | —              | —                    | —             | —                      | 280            | 280                          | —             | 1          | 1            |
| Qatar                           | —          | —              | —                    | 3,289         | —                      | 3,864          | 3,864                        | —             | 13         | 13           |
| Russia                          | —          | —              | —                    | —             | —                      | 36,063         | 36,063                       | —             | 119        | 119          |
| Spain                           | 2          | 202            | —                    | —             | —                      | 997            | 997                          | —             | 3          | 3            |
| Sweden                          | —          | —              | —                    | —             | —                      | 94             | 94                           | —             | 0          | 0            |
| Syria                           | —          | —              | —                    | —             | —                      | —              | —                            | —             | —          | —            |
| Trinidad and Tobago             | —          | —              | —                    | —             | —                      | —              | 7,493                        | 25            | —          | 25           |
| United Kingdom                  | 62         | 25             | —                    | —             | —                      | 1,357          | 9,179                        | 26            | 4          | 30           |
| Vietnam                         | —          | —              | —                    | —             | —                      | —              | —                            | —             | —          | —            |
| Virgin Islands, U.S.            | —          | —              | —                    | —             | —                      | —              | —                            | —             | —          | —            |
| Yemen                           | —          | —              | —                    | —             | —                      | —              | —                            | —             | —          | —            |
| Other                           | 86         | 51             | 58                   | 132           | —                      | 13,104         | 15,397                       | 7             | 41         | 47           |
| <b>Total</b>                    | <b>350</b> | <b>2,940</b>   | <b>59</b>            | <b>11,552</b> | <b>—</b>               | <b>208,712</b> | <b>702,330</b>               | <b>1,624</b>  | <b>687</b> | <b>2,310</b> |
| <b>Persian Gulf<sup>4</sup></b> | <b>—</b>   | <b>155</b>     | <b>—</b>             | <b>5,807</b>  | <b>—</b>               | <b>50,980</b>  | <b>139,729</b>               | <b>292</b>    | <b>168</b> | <b>460</b>   |

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

<sup>4</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-October 2022**  
(Thousand Barrels)

| Country of Origin               | Crude Oil <sup>1,2</sup> | Natural Gas Liquids | Refinery Olefins | Unfinished Oils <sup>1</sup> | Finished Motor Gasoline |                |       | Motor Gasoline Blending Components |                |        |
|---------------------------------|--------------------------|---------------------|------------------|------------------------------|-------------------------|----------------|-------|------------------------------------|----------------|--------|
|                                 |                          |                     |                  |                              | Reform-ulated           | Conven- tional | Total | Reform-ulated                      | Conven- tional | Total  |
|                                 | PAD District 4           |                     |                  |                              |                         |                |       |                                    |                |        |
| OPEC .....                      | 1,830                    | —                   | —                | 262                          | —                       | —              | —     | —                                  | —              | —      |
| Algeria .....                   | —                        | —                   | —                | —                            | —                       | —              | —     | —                                  | —              | —      |
| Angola .....                    | —                        | —                   | —                | —                            | —                       | —              | —     | —                                  | —              | —      |
| Congo (Brazzaville) .....       | —                        | —                   | —                | —                            | —                       | —              | —     | —                                  | —              | —      |
| Iran .....                      | —                        | —                   | —                | —                            | —                       | —              | —     | —                                  | —              | —      |
| Iraq .....                      | —                        | —                   | —                | —                            | —                       | —              | —     | —                                  | —              | —      |
| Kuwait .....                    | —                        | —                   | —                | —                            | —                       | —              | —     | —                                  | —              | —      |
| Libya .....                     | —                        | —                   | —                | —                            | —                       | —              | —     | —                                  | —              | —      |
| Nigeria .....                   | —                        | —                   | —                | —                            | —                       | —              | —     | —                                  | —              | —      |
| Saudi Arabia .....              | 1,830                    | —                   | —                | 262                          | —                       | —              | —     | —                                  | —              | —      |
| United Arab Emirates .....      | —                        | —                   | —                | —                            | —                       | —              | —     | —                                  | —              | —      |
| Venezuela .....                 | —                        | —                   | —                | —                            | —                       | —              | —     | —                                  | —              | —      |
| Non-OPEC .....                  | 84,427                   | 3,572               | —                | 83                           | —                       | 20             | 20    | —                                  | 524            | 524    |
| Canada .....                    | 84,427                   | 3,572               | —                | 83                           | —                       | 15             | 15    | —                                  | 524            | 524    |
| Ecuador .....                   | —                        | —                   | —                | —                            | —                       | —              | —     | —                                  | —              | —      |
| Qatar .....                     | —                        | —                   | —                | —                            | —                       | —              | —     | —                                  | —              | —      |
| Other .....                     | 0                        | 0                   | —                | 0                            | —                       | 5              | 5     | —                                  | 0              | 0      |
| Total .....                     | 86,257                   | 3,572               | —                | 345                          | —                       | 20             | 20    | —                                  | 524            | 524    |
|                                 | PAD District 5           |                     |                  |                              |                         |                |       |                                    |                |        |
| OPEC .....                      | 114,325                  | —                   | —                | 10,548                       | —                       | 378            | 378   | 551                                | 786            | 1,337  |
| Algeria .....                   | —                        | —                   | —                | 9,035                        | —                       | —              | —     | —                                  | —              | —      |
| Angola .....                    | 1,808                    | —                   | —                | —                            | —                       | —              | —     | —                                  | —              | —      |
| Congo (Brazzaville) .....       | 1,930                    | —                   | —                | —                            | —                       | —              | —     | —                                  | —              | —      |
| Iran .....                      | —                        | —                   | —                | —                            | —                       | —              | —     | —                                  | —              | —      |
| Iraq .....                      | 54,786                   | —                   | —                | —                            | —                       | —              | —     | —                                  | —              | —      |
| Kuwait .....                    | 1,474                    | —                   | —                | —                            | —                       | —              | —     | 2                                  | —              | 2      |
| Libya .....                     | 6,357                    | —                   | —                | —                            | —                       | —              | —     | —                                  | —              | —      |
| Nigeria .....                   | —                        | —                   | —                | —                            | —                       | —              | —     | —                                  | —              | —      |
| Saudi Arabia .....              | 44,547                   | —                   | —                | 1,513                        | —                       | 378            | 378   | 549                                | 786            | 1,335  |
| United Arab Emirates .....      | 4,388                    | —                   | —                | —                            | —                       | —              | —     | —                                  | —              | —      |
| Venezuela .....                 | —                        | —                   | —                | —                            | —                       | —              | —     | —                                  | —              | —      |
| Non-OPEC .....                  | 245,943                  | 13,086              | —                | 8,407                        | —                       | 7,314          | 7,314 | 1,064                              | 8,823          | 9,887  |
| Argentina .....                 | 15,927                   | 55                  | —                | —                            | —                       | —              | —     | —                                  | —              | —      |
| Aruba .....                     | —                        | —                   | —                | —                            | —                       | —              | —     | —                                  | —              | —      |
| Australia .....                 | 700                      | —                   | —                | —                            | —                       | —              | —     | —                                  | —              | —      |
| Brazil .....                    | 40,288                   | —                   | —                | —                            | —                       | —              | —     | —                                  | —              | —      |
| Brunei .....                    | —                        | —                   | —                | —                            | —                       | —              | —     | —                                  | —              | —      |
| Canada .....                    | 79,459                   | 12,760              | —                | 698                          | —                       | 1,207          | 1,207 | —                                  | 364            | 364    |
| China .....                     | —                        | —                   | —                | —                            | —                       | —              | —     | —                                  | —              | —      |
| Colombia .....                  | 19,000                   | —                   | —                | 199                          | —                       | —              | —     | —                                  | —              | —      |
| Ecuador .....                   | 42,864                   | —                   | —                | 927                          | —                       | —              | —     | —                                  | —              | —      |
| Finland .....                   | —                        | —                   | —                | —                            | —                       | —              | —     | —                                  | —              | —      |
| Germany .....                   | —                        | —                   | —                | —                            | —                       | —              | —     | —                                  | —              | —      |
| Indonesia .....                 | 1,184                    | —                   | —                | —                            | —                       | —              | —     | —                                  | —              | —      |
| Japan .....                     | —                        | —                   | —                | 640                          | —                       | 317            | 317   | —                                  | 1,010          | 1,010  |
| Korea, South .....              | —                        | —                   | —                | —                            | —                       | 4,363          | 4,363 | —                                  | 1,605          | 1,605  |
| Malaysia .....                  | —                        | —                   | —                | —                            | —                       | —              | —     | —                                  | —              | —      |
| Mexico .....                    | 13,537                   | —                   | —                | 3,802                        | —                       | —              | —     | —                                  | —              | —      |
| Netherlands .....               | —                        | —                   | —                | —                            | —                       | —              | —     | 1,000                              | 85             | 1,085  |
| Oman .....                      | —                        | —                   | —                | —                            | —                       | —              | —     | —                                  | —              | —      |
| Papua New Guinea .....          | —                        | —                   | —                | —                            | —                       | —              | —     | —                                  | —              | —      |
| Peru .....                      | 1,091                    | —                   | —                | —                            | —                       | —              | —     | —                                  | —              | —      |
| Qatar .....                     | —                        | —                   | —                | —                            | —                       | 8              | 8     | 8                                  | 12             | 20     |
| Singapore .....                 | —                        | —                   | —                | —                            | —                       | —              | —     | —                                  | —              | —      |
| Sweden .....                    | —                        | —                   | —                | —                            | —                       | —              | —     | —                                  | 172            | 172    |
| Taiwan .....                    | —                        | —                   | —                | —                            | —                       | 208            | 208   | —                                  | 849            | 849    |
| United Kingdom .....            | 499                      | —                   | —                | —                            | —                       | —              | —     | —                                  | 928            | 928    |
| Vietnam .....                   | —                        | —                   | —                | —                            | —                       | —              | —     | —                                  | —              | —      |
| Virgin Islands, U.S. ....       | —                        | —                   | —                | —                            | —                       | —              | —     | —                                  | —              | —      |
| Other .....                     | 31,394                   | 271                 | —                | 2,141                        | —                       | 1,211          | 1,211 | 56                                 | 3,798          | 3,854  |
| Total .....                     | 360,268                  | 13,500              | —                | 18,955                       | —                       | 7,692          | 7,692 | 1,615                              | 9,609          | 11,224 |
| Persian Gulf <sup>4</sup> ..... | 105,195                  | —                   | —                | 1,513                        | —                       | 386            | 386   | 559                                | 798            | 1,357  |

See footnotes at end of table.

**Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-October 2022**  
(Thousand Barrels) — Continued

| Country of Origin               | Biofuels       |           |                       |                             | Distillate Fuel Oil     |                                       |                 |                       |       | Kerosene | Finished Aviation Gasoline |
|---------------------------------|----------------|-----------|-----------------------|-----------------------------|-------------------------|---------------------------------------|-----------------|-----------------------|-------|----------|----------------------------|
|                                 | Fuel Ethanol   | Biodiesel | Renewable Diesel Fuel | Other Biofuels <sup>3</sup> | 15 ppm sulfur and under | Greater than 15 ppm to 500 ppm sulfur | 501 to 2000 ppm | Greater than 2000 ppm | Total |          |                            |
|                                 | PAD District 4 |           |                       |                             |                         |                                       |                 |                       |       |          |                            |
| OPEC .....                      | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Algeria .....                   | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Angola .....                    | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Congo (Brazzaville) .....       | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Iran .....                      | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Iraq .....                      | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Kuwait .....                    | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Libya .....                     | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Nigeria .....                   | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Saudi Arabia .....              | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| United Arab Emirates .....      | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Venezuela .....                 | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Non-OPEC .....                  | 7              | 88        | —                     | —                           | 1,545                   | —                                     | 3               | —                     | 1,548 | —        | 5                          |
| Canada .....                    | 7              | 88        | —                     | —                           | 1,545                   | —                                     | 3               | —                     | 1,548 | —        | 5                          |
| Ecuador .....                   | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Qatar .....                     | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Other .....                     | 0              | 0         | —                     | —                           | 0                       | —                                     | 0               | —                     | 0     | —        | 0                          |
| Total .....                     | 7              | 88        | —                     | —                           | 1,545                   | —                                     | 3               | —                     | 1,548 | —        | 5                          |
|                                 | PAD District 5 |           |                       |                             |                         |                                       |                 |                       |       |          |                            |
| OPEC .....                      | —              | —         | 10                    | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Algeria .....                   | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Angola .....                    | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Congo (Brazzaville) .....       | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Iran .....                      | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Iraq .....                      | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Kuwait .....                    | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Libya .....                     | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Nigeria .....                   | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Saudi Arabia .....              | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| United Arab Emirates .....      | —              | —         | 10                    | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Venezuela .....                 | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Non-OPEC .....                  | 945            | 813       | 4,882                 | 12                          | 5,881                   | 1,260                                 | 1               | 190                   | 7,332 | 18       | 21                         |
| Argentina .....                 | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Aruba .....                     | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Australia .....                 | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Brazil .....                    | 945            | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Brunei .....                    | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Canada .....                    | —              | 631       | —                     | —                           | 4,409                   | —                                     | 1               | —                     | 4,410 | —        | 8                          |
| China .....                     | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Colombia .....                  | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Ecuador .....                   | —              | —         | —                     | —                           | —                       | —                                     | —               | 190                   | 190   | —        | —                          |
| Finland .....                   | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Germany .....                   | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Indonesia .....                 | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Japan .....                     | —              | —         | —                     | 10                          | 399                     | —                                     | —               | —                     | 399   | —        | —                          |
| Korea, South .....              | —              | 182       | —                     | —                           | 1,073                   | 1,260                                 | —               | —                     | 2,333 | 18       | 13                         |
| Malaysia .....                  | —              | —         | —                     | 1                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Mexico .....                    | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Netherlands .....               | —              | —         | 94                    | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Oman .....                      | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Papua New Guinea .....          | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Peru .....                      | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Qatar .....                     | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Singapore .....                 | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Sweden .....                    | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Taiwan .....                    | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| United Kingdom .....            | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Vietnam .....                   | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Virgin Islands, U.S. ....       | —              | —         | —                     | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |
| Other .....                     | 0              | 0         | 4,788                 | 1                           | 0                       | 0                                     | 0               | 0                     | 0     | 0        | 0                          |
| Total .....                     | 945            | 813       | 4,892                 | 12                          | 5,881                   | 1,260                                 | 1               | 190                   | 7,332 | 18       | 21                         |
| Persian Gulf <sup>4</sup> ..... | —              | —         | 10                    | —                           | —                       | —                                     | —               | —                     | —     | —        | —                          |

See footnotes at end of table.



**Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-October 2022**  
(Thousand Barrels) — Continued

| Country of Origin               | Aviation Gasoline Blending Components | Kerosene-Type Jet Fuel | Special Naphthas | Residual Fuel Oil       |                       |                            |       | Petrochemical Feedstocks |            |
|---------------------------------|---------------------------------------|------------------------|------------------|-------------------------|-----------------------|----------------------------|-------|--------------------------|------------|
|                                 |                                       |                        |                  | Less than 0.31 % sulfur | 0.31 to 1.00 % sulfur | Greater than 1.00 % sulfur | Total | Naphtha                  | Other Oils |
|                                 |                                       |                        |                  |                         |                       |                            |       |                          |            |
|                                 | PAD District 4                        |                        |                  |                         |                       |                            |       |                          |            |
| OPEC .....                      | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Algeria .....                   | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Angola .....                    | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Congo (Brazzaville) .....       | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Iran .....                      | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Iraq .....                      | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Kuwait .....                    | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Libya .....                     | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Nigeria .....                   | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Saudi Arabia .....              | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| United Arab Emirates .....      | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Venezuela .....                 | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Non-OPEC .....                  | —                                     | 311                    | —                | —                       | —                     | —                          | —     | —                        | —          |
| Canada .....                    | —                                     | 311                    | —                | —                       | —                     | —                          | —     | —                        | —          |
| Ecuador .....                   | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Qatar .....                     | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Other .....                     | —                                     | 0                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Total .....                     | —                                     | 311                    | —                | —                       | —                     | —                          | —     | —                        | —          |
|                                 | PAD District 5                        |                        |                  |                         |                       |                            |       |                          |            |
| OPEC .....                      | —                                     | —                      | —                | —                       | —                     | 35                         | 35    | —                        | —          |
| Algeria .....                   | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Angola .....                    | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Congo (Brazzaville) .....       | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Iran .....                      | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Iraq .....                      | —                                     | —                      | —                | —                       | —                     | 35                         | 35    | —                        | —          |
| Kuwait .....                    | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Libya .....                     | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Nigeria .....                   | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Saudi Arabia .....              | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| United Arab Emirates .....      | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Venezuela .....                 | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Non-OPEC .....                  | —                                     | 26,801                 | —                | —                       | 1,745                 | 1,207                      | 2,952 | 280                      | —          |
| Argentina .....                 | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Aruba .....                     | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Australia .....                 | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Brazil .....                    | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Brunei .....                    | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Canada .....                    | —                                     | 367                    | —                | —                       | 487                   | 924                        | 1,411 | —                        | —          |
| China .....                     | —                                     | 1,468                  | —                | —                       | —                     | —                          | —     | —                        | —          |
| Colombia .....                  | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Ecuador .....                   | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Finland .....                   | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Germany .....                   | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Indonesia .....                 | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Japan .....                     | —                                     | 5,531                  | —                | —                       | —                     | —                          | —     | —                        | —          |
| Korea, South .....              | —                                     | 16,912                 | —                | —                       | —                     | —                          | —     | 13                       | —          |
| Malaysia .....                  | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Mexico .....                    | —                                     | —                      | —                | —                       | —                     | 93                         | 93    | —                        | —          |
| Netherlands .....               | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Oman .....                      | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Papua New Guinea .....          | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Peru .....                      | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Qatar .....                     | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Singapore .....                 | —                                     | 287                    | —                | —                       | —                     | —                          | —     | —                        | —          |
| Sweden .....                    | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Taiwan .....                    | —                                     | 975                    | —                | —                       | —                     | —                          | —     | 267                      | —          |
| United Kingdom .....            | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Vietnam .....                   | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Virgin Islands, U.S. ....       | —                                     | —                      | —                | —                       | —                     | —                          | —     | —                        | —          |
| Other .....                     | —                                     | 1,261                  | —                | —                       | 1,258                 | 190                        | 1,448 | 0                        | —          |
| Total .....                     | —                                     | 26,801                 | —                | —                       | 1,745                 | 1,242                      | 2,987 | 280                      | —          |
| Persian Gulf <sup>4</sup> ..... | —                                     | —                      | —                | —                       | —                     | 35                         | 35    | —                        | —          |

See footnotes at end of table.

**Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-October 2022**  
(Thousand Barrels) — Continued

| Country of Origin               | Waxes          | Petroleum Coke | Asphalt and Road Oil | Lubricants | Miscellaneous Products | Total Products | Total Crude Oil and Products | Daily Average |          |       |
|---------------------------------|----------------|----------------|----------------------|------------|------------------------|----------------|------------------------------|---------------|----------|-------|
|                                 |                |                |                      |            |                        |                |                              | Crude Oil     | Products | Total |
|                                 | PAD District 4 |                |                      |            |                        |                |                              |               |          |       |
| OPEC .....                      | —              | —              | —                    | —          | —                      | 262            | 2,092                        | 6             | 1        | 7     |
| Algeria .....                   | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Angola .....                    | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Congo (Brazzaville) .....       | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Iran .....                      | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Iraq .....                      | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Kuwait .....                    | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Libya .....                     | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Nigeria .....                   | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Saudi Arabia .....              | —              | —              | —                    | —          | —                      | —              | —                            | 6             | —        | —     |
| United Arab Emirates .....      | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Venezuela .....                 | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Non-OPEC .....                  | —              | —              | 752                  | —          | 10                     | 6,920          | 91,347                       | 278           | 23       | 300   |
| Canada .....                    | —              | —              | 752                  | —          | 10                     | 6,915          | 91,342                       | 278           | 23       | 300   |
| Ecuador .....                   | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Qatar .....                     | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Other .....                     | —              | —              | 0                    | —          | 0                      | 5              | 5                            | 0             | 0        | 0     |
| Total .....                     | —              | —              | 752                  | —          | 10                     | 7,182          | 93,439                       | 284           | 24       | 307   |
|                                 | PAD District 5 |                |                      |            |                        |                |                              |               |          |       |
| OPEC .....                      | —              | —              | —                    | —          | —                      | 12,722         | 127,047                      | 376           | 42       | 418   |
| Algeria .....                   | —              | —              | —                    | —          | —                      | 9,035          | 9,035                        | —             | 30       | 30    |
| Angola .....                    | —              | —              | —                    | —          | —                      | 16             | 1,824                        | 6             | 0        | 6     |
| Congo (Brazzaville) .....       | —              | —              | —                    | —          | —                      | —              | 1,930                        | 6             | —        | 6     |
| Iran .....                      | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Iraq .....                      | —              | —              | —                    | —          | —                      | 35             | 54,821                       | 180           | 0        | 180   |
| Kuwait .....                    | —              | —              | —                    | —          | —                      | 2              | 1,476                        | 5             | 0        | 5     |
| Libya .....                     | —              | —              | —                    | —          | —                      | —              | 6,357                        | 21            | —        | 21    |
| Nigeria .....                   | —              | —              | —                    | —          | —                      | 110            | 110                          | —             | 0        | 0     |
| Saudi Arabia .....              | —              | —              | —                    | —          | —                      | 3,226          | 47,773                       | 147           | 11       | 157   |
| United Arab Emirates .....      | —              | —              | —                    | —          | —                      | 10             | 4,398                        | 14            | 0        | 14    |
| Venezuela .....                 | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Non-OPEC .....                  | 345            | —              | 613                  | 289        | —                      | 83,997         | 329,940                      | 809           | 276      | 1,085 |
| Argentina .....                 | —              | —              | —                    | —          | —                      | 55             | 15,982                       | 52            | 0        | 53    |
| Aruba .....                     | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Australia .....                 | —              | —              | —                    | —          | —                      | —              | 700                          | 2             | —        | 2     |
| Brazil .....                    | —              | —              | —                    | —          | —                      | 945            | 41,233                       | 133           | 3        | 136   |
| Brunei .....                    | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Canada .....                    | —              | —              | 470                  | 44         | —                      | 22,370         | 101,829                      | 261           | 74       | 335   |
| China .....                     | 142            | —              | —                    | —          | —                      | 1,610          | 1,610                        | —             | 5        | 5     |
| Colombia .....                  | —              | —              | —                    | —          | —                      | 199            | 19,199                       | 63            | 1        | 63    |
| Ecuador .....                   | —              | —              | —                    | —          | —                      | 1,117          | 43,981                       | 141           | 4        | 145   |
| Finland .....                   | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Germany .....                   | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Indonesia .....                 | —              | —              | —                    | —          | —                      | —              | 1,184                        | 4             | —        | 4     |
| Japan .....                     | 56             | —              | —                    | 1          | —                      | 7,964          | 7,964                        | —             | 26       | 26    |
| Korea, South .....              | —              | —              | —                    | 84         | —                      | 25,523         | 25,523                       | —             | 84       | 84    |
| Malaysia .....                  | 1              | —              | —                    | —          | —                      | 2              | 2                            | —             | 0        | 0     |
| Mexico .....                    | —              | —              | —                    | —          | —                      | 3,895          | 17,432                       | 45            | 13       | 57    |
| Netherlands .....               | —              | —              | —                    | —          | —                      | 1,179          | 1,179                        | —             | 4        | 4     |
| Oman .....                      | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Papua New Guinea .....          | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Peru .....                      | —              | —              | —                    | —          | —                      | —              | 1,091                        | 4             | —        | 4     |
| Qatar .....                     | —              | —              | —                    | 160        | —                      | 188            | 188                          | —             | 1        | 1     |
| Singapore .....                 | —              | —              | —                    | —          | —                      | 5,076          | 5,076                        | —             | 17       | 17    |
| Sweden .....                    | —              | —              | —                    | —          | —                      | 172            | 172                          | —             | 1        | 1     |
| Taiwan .....                    | 146            | —              | —                    | —          | —                      | 2,445          | 2,445                        | —             | 8        | 8     |
| United Kingdom .....            | —              | —              | —                    | —          | —                      | 928            | 1,427                        | 2             | 3        | 5     |
| Vietnam .....                   | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Virgin Islands, U.S. ....       | —              | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Other .....                     | 0              | —              | 143                  | 0          | —                      | 10,329         | 41,723                       | 102           | 32       | 135   |
| Total .....                     | 345            | —              | 613                  | 289        | —                      | 96,719         | 456,987                      | 1,185         | 318      | 1,503 |
| Persian Gulf <sup>4</sup> ..... | —              | —              | —                    | 160        | —                      | 3,461          | 108,656                      | 346           | 11       | 357   |

-- = Not Applicable.

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

<sup>4</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 49. Exports of Crude Oil and Petroleum Products by PAD District, October 2022**  
(Thousand Barrels)

| Commodity                                   | PAD Districts |               |                |           |              | U.S. Total     |               |
|---------------------------------------------|---------------|---------------|----------------|-----------|--------------|----------------|---------------|
|                                             | 1             | 2             | 3              | 4         | 5            | Total          | Daily Average |
| <b>Crude Oil<sup>1</sup></b> .....          | <b>1,471</b>  | <b>2,545</b>  | <b>124,515</b> | <b>—</b>  | <b>—</b>     | <b>128,531</b> | <b>4,146</b>  |
| <b>Hydrocarbon Gas Liquids</b> .....        | <b>6,059</b>  | <b>5,459</b>  | <b>61,269</b>  | <b>11</b> | <b>1,394</b> | <b>74,193</b>  | <b>2,393</b>  |
| Natural Gas Liquids .....                   | 6,059         | 5,459         | 61,269         | 11        | 1,394        | 74,193         | 2,393         |
| Ethane .....                                | 1,954         | 2,231         | 9,526          | —         | 0            | 13,711         | 442           |
| Propane .....                               | 3,705         | 128           | 40,093         | 0         | 767          | 44,693         | 1,442         |
| Normal Butane .....                         | 359           | 105           | 11,564         | 1         | 623          | 12,652         | 408           |
| Isobutane .....                             | 0             | 2             | 50             | —         | 3            | 56             | 2             |
| Natural Gasoline .....                      | 41            | 2,993         | 36             | 10        | 2            | 3,082          | 99            |
| <b>Other Liquids</b> .....                  | <b>140</b>    | <b>3,110</b>  | <b>6,633</b>   | <b>14</b> | <b>580</b>   | <b>10,477</b>  | <b>338</b>    |
| Hydrogen/Biofuels/Other Hydrocarbons .....  | 121           | 988           | 1,101          | 12        | 248          | 2,470          | 80            |
| Hydrogen .....                              | —             | —             | —              | —         | —            | —              | —             |
| Biofuels .....                              | 121           | 988           | 1,101          | 12        | 248          | 2,470          | 80            |
| Fuel Ethanol .....                          | 119           | 818           | 850            | —         | 216          | 2,002          | 65            |
| Biodiesel .....                             | 3             | 170           | 250            | 12        | 32           | 468            | 15            |
| Renewable Diesel Fuel .....                 | NA            | NA            | NA             | NA        | NA           | NA             | NA            |
| Other Biofuels <sup>2</sup> .....           | NA            | NA            | NA             | NA        | NA           | NA             | NA            |
| Other Hydrocarbons .....                    | —             | —             | —              | —         | —            | —              | —             |
| Unfinished Oils .....                       | 17            | 2,106         | 4,322          | 0         | 184          | 6,629          | 214           |
| Naphthas and Lighter .....                  | 9             | 2,094         | 4,082          | 0         | 181          | 6,366          | 205           |
| Kerosene and Light Gas Oils .....           | 8             | 12            | 239            | 0         | 4            | 263            | 8             |
| Heavy Gas Oils .....                        | —             | —             | —              | —         | —            | —              | —             |
| Residuum .....                              | —             | —             | —              | —         | —            | —              | —             |
| Motor Gasoline Blend.Comp. (MGBC) .....     | 2             | 16            | 1,210          | 2         | 147          | 1,378          | 44            |
| Reformulated .....                          | 0             | —             | 1              | —         | 3            | 4              | 0             |
| Conventional .....                          | 2             | 16            | 1,209          | 2         | 145          | 1,374          | 44            |
| Aviation Gasoline Blend. Comp. ....         | —             | —             | —              | —         | —            | —              | —             |
| <b>Finished Petroleum Products</b> .....    | <b>1,461</b>  | <b>925</b>    | <b>80,269</b>  | <b>18</b> | <b>6,743</b> | <b>89,417</b>  | <b>2,884</b>  |
| Finished Motor Gasoline .....               | 24            | 271           | 24,547         | —         | 562          | 25,404         | 819           |
| Reformulated .....                          | —             | —             | —              | —         | —            | —              | —             |
| Conventional .....                          | 24            | 271           | 24,547         | —         | 562          | 25,404         | 819           |
| Finished Aviation Gasoline .....            | —             | —             | —              | —         | —            | —              | —             |
| Kerosene-Type Jet Fuel .....                | 117           | 21            | 4,569          | —         | 369          | 5,077          | 164           |
| Kerosene .....                              | 88            | 1             | 25             | —         | 0            | 114            | 4             |
| Distillate Fuel Oil .....                   | 291           | 133           | 31,473         | —         | 1,722        | 33,620         | 1,085         |
| 15 ppm sulfur and under .....               | 201           | 2             | 26,793         | —         | 1,471        | 28,467         | 918           |
| Greater than 15 ppm to 500 ppm sulfur ..... | 89            | 15            | 2,090          | —         | 46           | 2,239          | 72            |
| Greater than 500 ppm sulfur .....           | 1             | 116           | 2,590          | —         | 206          | 2,914          | 94            |
| Residual Fuel Oil .....                     | 8             | —             | 2,556          | —         | 414          | 2,979          | 96            |
| Naphtha for Petro. Feed. Use .....          | —             | —             | —              | —         | —            | —              | —             |
| Other Oils for Petro. Feed. Use .....       | —             | —             | —              | —         | —            | —              | —             |
| Special Naphthas .....                      | —             | —             | —              | —         | —            | —              | —             |
| Lubricants .....                            | 202           | 180           | 2,360          | 16        | 116          | 2,874          | 93            |
| Waxes .....                                 | 65            | 43            | 17             | 0         | 5            | 131            | 4             |
| Petroleum Coke .....                        | 559           | 154           | 14,574         | —         | 3,527        | 18,813         | 607           |
| Asphalt and Road Oil .....                  | 91            | 121           | 118            | 2         | 26           | 358            | 12            |
| Miscellaneous Products .....                | 17            | 1             | 30             | —         | 1            | 49             | 2             |
| <b>Total</b> .....                          | <b>9,132</b>  | <b>12,039</b> | <b>272,686</b> | <b>43</b> | <b>8,717</b> | <b>302,618</b> | <b>9,762</b>  |

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

<sup>2</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: U.S. Census Bureau and EIA estimates.

**Table 50. Year-to-Date Exports of Crude Oil and Petroleum Products by PAD District, January-October 2022**  
(Thousand Barrels)

| Commodity                                   | PAD Districts  |                |                  |            |               | U.S. Total       |               |
|---------------------------------------------|----------------|----------------|------------------|------------|---------------|------------------|---------------|
|                                             | 1              | 2              | 3                | 4          | 5             | Total            | Daily Average |
| <b>Crude Oil<sup>1</sup></b> .....          | <b>15,709</b>  | <b>20,065</b>  | <b>1,037,608</b> | <b>0</b>   | <b>1,548</b>  | <b>1,074,930</b> | <b>3,536</b>  |
| <b>Hydrocarbon Gas Liquids</b> .....        | <b>78,999</b>  | <b>72,455</b>  | <b>554,429</b>   | <b>387</b> | <b>15,658</b> | <b>721,928</b>   | <b>2,375</b>  |
| Natural Gas Liquids .....                   | 78,999         | 72,455         | 554,429          | 387        | 15,658        | 721,928          | 2,375         |
| Ethane .....                                | 21,616         | 20,950         | 92,402           | 1          | 7             | 134,975          | 444           |
| Propane .....                               | 43,067         | 1,477          | 364,207          | 9          | 7,485         | 416,246          | 1,369         |
| Normal Butane .....                         | 13,633         | 1,250          | 95,071           | 24         | 7,925         | 117,903          | 388           |
| Isobutane .....                             | 7              | 25             | 1,530            | —          | 19            | 1,582            | 5             |
| Natural Gasoline .....                      | 675            | 48,753         | 1,220            | 353        | 222           | 51,222           | 168           |
| <b>Other Liquids</b> .....                  | <b>2,630</b>   | <b>33,061</b>  | <b>101,926</b>   | <b>137</b> | <b>7,705</b>  | <b>145,459</b>   | <b>478</b>    |
| Hydrogen/Biofuels/Other Hydrocarbons .....  | 1,697          | 9,742          | 18,545           | 121        | 4,865         | 34,971           | 115           |
| Hydrogen .....                              | —              | —              | —                | —          | —             | —                | —             |
| Biofuels .....                              | 1,697          | 9,742          | 18,545           | 121        | 4,865         | 34,971           | 115           |
| Fuel Ethanol .....                          | 1,396          | 7,490          | 17,344           | 2          | 2,270         | 28,501           | 94            |
| Biodiesel .....                             | 302            | 2,251          | 1,202            | 119        | 2,596         | 6,470            | 21            |
| Renewable Diesel Fuel .....                 | NA             | NA             | NA               | NA         | NA            | NA               | NA            |
| Other Biofuels <sup>2</sup> .....           | NA             | NA             | NA               | NA         | NA            | NA               | NA            |
| Other Hydrocarbons .....                    | —              | —              | —                | —          | —             | —                | —             |
| Unfinished Oils .....                       | 546            | 21,989         | 67,031           | 2          | 1,291         | 90,859           | 299           |
| Naphthas and Lighter .....                  | 426            | 21,864         | 63,710           | 1          | 1,152         | 87,154           | 287           |
| Kerosene and Light Gas Oils .....           | 120            | 124            | 3,321            | 1          | 138           | 3,705            | 12            |
| Heavy Gas Oils .....                        | —              | —              | —                | —          | —             | —                | —             |
| Residuum .....                              | —              | —              | —                | —          | —             | —                | —             |
| Motor Gasoline Blend.Comp. (MGBC) .....     | 387            | 1,330          | 16,350           | 13         | 1,549         | 19,629           | 65            |
| Reformulated .....                          | 9              | —              | 10               | —          | 15            | 33               | 0             |
| Conventional .....                          | 378            | 1,330          | 16,340           | 13         | 1,535         | 19,596           | 64            |
| Aviation Gasoline Blend. Comp. ....         | —              | —              | —                | —          | —             | —                | —             |
| <b>Finished Petroleum Products</b> .....    | <b>21,313</b>  | <b>11,873</b>  | <b>836,491</b>   | <b>153</b> | <b>71,763</b> | <b>941,593</b>   | <b>3,097</b>  |
| Finished Motor Gasoline .....               | 736            | 3,729          | 251,131          | 8          | 7,972         | 263,576          | 867           |
| Reformulated .....                          | —              | —              | —                | —          | —             | —                | —             |
| Conventional .....                          | 736            | 3,729          | 251,131          | 8          | 7,972         | 263,576          | 867           |
| Finished Aviation Gasoline .....            | —              | —              | —                | —          | —             | —                | —             |
| Kerosene-Type Jet Fuel .....                | 306            | 207            | 49,088           | 1          | 5,787         | 55,389           | 182           |
| Kerosene .....                              | 116            | 8              | 1,942            | —          | 207           | 2,273            | 7             |
| Distillate Fuel Oil .....                   | 7,684          | 1,561          | 352,757          | 0          | 19,443        | 381,445          | 1,255         |
| 15 ppm sulfur and under .....               | 6,056          | 7              | 303,569          | 0          | 14,990        | 324,621          | 1,068         |
| Greater than 15 ppm to 500 ppm sulfur ..... | 1,179          | 360            | 24,064           | —          | 1,595         | 27,197           | 89            |
| Greater than 500 ppm sulfur .....           | 450            | 1,194          | 25,125           | —          | 2,858         | 29,626           | 97            |
| Residual Fuel Oil .....                     | 2,077          | 11             | 23,833           | —          | 4,751         | 30,672           | 101           |
| Naphtha for Petro. Feed. Use .....          | —              | —              | —                | —          | —             | —                | —             |
| Other Oils for Petro. Feed. Use .....       | —              | —              | —                | —          | —             | —                | —             |
| Special Naphthas .....                      | —              | —              | —                | —          | —             | —                | —             |
| Lubricants .....                            | 2,387          | 1,942          | 23,236           | 123        | 2,279         | 29,967           | 99            |
| Waxes .....                                 | 802            | 376            | 223              | 1          | 42            | 1,444            | 5             |
| Petroleum Coke .....                        | 6,210          | 3,304          | 131,095          | 0          | 30,995        | 171,604          | 564           |
| Asphalt and Road Oil .....                  | 810            | 723            | 2,841            | 20         | 284           | 4,678            | 15            |
| Miscellaneous Products .....                | 185            | 12             | 345              | 0          | 3             | 545              | 2             |
| <b>Total</b> .....                          | <b>118,651</b> | <b>137,453</b> | <b>2,530,454</b> | <b>677</b> | <b>96,675</b> | <b>2,883,910</b> | <b>9,487</b>  |

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

<sup>2</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: U.S. Census Bureau and EIA estimates.

**Table 51. Exports of Crude Oil and Petroleum Products by Destination, October 2022**  
(Thousand Barrels)

| Destination                 | Crude Oil <sup>1</sup> | Natural Gas Liquids | Refinery Olefins | Unfinished Oils | Finished Motor Gasoline |               |               | Motor Gasoline Blending Components |              |              |
|-----------------------------|------------------------|---------------------|------------------|-----------------|-------------------------|---------------|---------------|------------------------------------|--------------|--------------|
|                             |                        |                     |                  |                 | Reformulated            | Conventional  | Total         | Reformulated                       | Conventional | Total        |
| Argentina .....             | —                      | —                   | —                | 3               | —                       | 44            | 44            | —                                  | —            | —            |
| Australia .....             | —                      | 0                   | —                | 2               | —                       | —             | —             | 1                                  | 0            | 1            |
| Bahamas .....               | —                      | 11                  | —                | —               | —                       | 42            | 42            | 0                                  | 256          | 256          |
| Bahrain .....               | —                      | —                   | —                | —               | —                       | —             | —             | —                                  | —            | —            |
| Belgium .....               | —                      | 704                 | —                | 329             | —                       | —             | —             | —                                  | —            | —            |
| Belize .....                | —                      | 35                  | —                | —               | —                       | —             | —             | —                                  | —            | —            |
| Brazil .....                | 390                    | 3                   | —                | 483             | —                       | 1,373         | 1,373         | —                                  | —            | —            |
| Canada .....                | 11,881                 | 5,563               | —                | 2,112           | —                       | 463           | 463           | —                                  | 299          | 299          |
| Cayman Islands .....        | —                      | 0                   | —                | —               | —                       | 7             | 7             | —                                  | —            | —            |
| Chile .....                 | —                      | 1,422               | —                | 157             | —                       | 2,239         | 2,239         | —                                  | —            | —            |
| China .....                 | 10,301                 | 13,233              | —                | 2               | —                       | —             | —             | 0                                  | —            | 0            |
| Colombia .....              | 525                    | 153                 | —                | 1,288           | —                       | 1,500         | 1,500         | —                                  | —            | —            |
| Costa Rica .....            | —                      | 104                 | —                | 30              | —                       | 915           | 915           | —                                  | 0            | 0            |
| Denmark .....               | 2,620                  | —                   | —                | —               | —                       | —             | —             | —                                  | —            | —            |
| Dominican Republic .....    | 1,001                  | 1,229               | —                | —               | —                       | 282           | 282           | 0                                  | —            | 0            |
| Ecuador .....               | —                      | 792                 | —                | 487             | —                       | 300           | 300           | —                                  | —            | —            |
| Egypt .....                 | —                      | 1,232               | —                | —               | —                       | —             | —             | —                                  | —            | —            |
| El Salvador .....           | —                      | 303                 | —                | 0               | —                       | 456           | 456           | —                                  | —            | —            |
| Finland .....               | —                      | 784                 | —                | 1               | —                       | —             | —             | —                                  | —            | —            |
| France .....                | 2,074                  | 1,424               | —                | 12              | —                       | —             | —             | —                                  | —            | —            |
| Germany .....               | 5,085                  | —                   | —                | 2               | —                       | 0             | 0             | —                                  | —            | —            |
| Ghana .....                 | —                      | 379                 | —                | —               | —                       | —             | —             | —                                  | —            | —            |
| Gibraltar .....             | —                      | —                   | —                | —               | —                       | —             | —             | —                                  | —            | —            |
| Greece .....                | —                      | —                   | —                | —               | —                       | —             | —             | —                                  | 0            | 0            |
| Guatemala .....             | —                      | —                   | —                | 5               | —                       | 1,589         | 1,589         | —                                  | —            | —            |
| Honduras .....              | —                      | 386                 | —                | 9               | —                       | 384           | 384           | —                                  | —            | —            |
| Hong Kong .....             | —                      | —                   | —                | —               | —                       | —             | —             | —                                  | —            | —            |
| India .....                 | 15,789                 | 2,090               | —                | 19              | —                       | —             | —             | —                                  | —            | —            |
| Indonesia .....             | 660                    | 2,551               | —                | 0               | —                       | —             | —             | —                                  | —            | —            |
| Ireland .....               | 630                    | —                   | —                | —               | —                       | —             | —             | —                                  | —            | —            |
| Israel .....                | —                      | —                   | —                | —               | —                       | —             | —             | —                                  | —            | —            |
| Italy .....                 | 5,810                  | 252                 | —                | —               | —                       | —             | —             | —                                  | —            | —            |
| Jamaica .....               | —                      | 37                  | —                | —               | —                       | 103           | 103           | —                                  | 0            | 0            |
| Japan .....                 | 3,037                  | 13,766              | —                | 506             | —                       | 0             | 0             | 0                                  | —            | 0            |
| Korea, South .....          | 13,328                 | 4,582               | —                | 0               | —                       | 0             | 0             | 1                                  | —            | 1            |
| Lebanon .....               | —                      | —                   | —                | —               | —                       | —             | —             | —                                  | —            | —            |
| Mexico .....                | —                      | 6,310               | —                | 543             | —                       | 13,397        | 13,397        | 1                                  | 718          | 719          |
| Montenegro .....            | —                      | —                   | —                | —               | —                       | —             | —             | —                                  | —            | —            |
| Morocco .....               | —                      | 1,173               | —                | —               | —                       | —             | —             | —                                  | —            | —            |
| Mozambique .....            | —                      | —                   | —                | —               | —                       | —             | —             | —                                  | —            | —            |
| Netherlands .....           | 12,791                 | 3,269               | —                | 21              | —                       | —             | —             | —                                  | —            | —            |
| New Zealand .....           | —                      | —                   | —                | 0               | —                       | 0             | 0             | —                                  | —            | —            |
| Nicaragua .....             | 285                    | —                   | —                | —               | —                       | —             | —             | —                                  | —            | —            |
| Nigeria .....               | —                      | 177                 | —                | 0               | —                       | —             | —             | —                                  | —            | —            |
| Norway .....                | 731                    | 1,082               | —                | 60              | —                       | —             | —             | —                                  | —            | —            |
| Pakistan .....              | —                      | —                   | —                | —               | —                       | —             | —             | —                                  | —            | —            |
| Panama .....                | 1,400                  | 893                 | —                | 0               | —                       | 534           | 534           | —                                  | —            | —            |
| Peru .....                  | —                      | 476                 | —                | 214             | —                       | 996           | 996           | —                                  | 100          | 100          |
| Philippines .....           | —                      | —                   | —                | 1               | —                       | —             | —             | —                                  | —            | —            |
| Portugal .....              | 743                    | 717                 | —                | —               | —                       | —             | —             | —                                  | —            | —            |
| Puerto Rico .....           | —                      | 9                   | —                | 0               | —                       | 4             | 4             | —                                  | 0            | 0            |
| Romania .....               | —                      | 62                  | —                | —               | —                       | —             | —             | —                                  | —            | —            |
| Saudi Arabia .....          | —                      | —                   | —                | 0               | —                       | —             | —             | —                                  | —            | —            |
| Serbia (Excludes Kosovo) .. | —                      | —                   | —                | —               | —                       | —             | —             | —                                  | —            | —            |
| Singapore .....             | 10,711                 | 1,540               | —                | 1               | —                       | —             | —             | —                                  | —            | —            |
| South Africa .....          | —                      | 0                   | —                | 8               | —                       | —             | —             | —                                  | —            | —            |
| Spain .....                 | 3,621                  | 2,343               | —                | —               | —                       | —             | —             | —                                  | —            | —            |
| Switzerland .....           | —                      | —                   | —                | —               | —                       | —             | —             | —                                  | —            | —            |
| Taiwan .....                | 4,178                  | —                   | —                | 325             | —                       | —             | —             | —                                  | 0            | 0            |
| Thailand .....              | 2,369                  | 0                   | —                | 1               | —                       | 0             | 0             | —                                  | —            | —            |
| Trinidad and Tobago .....   | —                      | 0                   | —                | 0               | —                       | 0             | 0             | —                                  | —            | —            |
| Turkey .....                | —                      | 1,476               | —                | 0               | —                       | —             | —             | —                                  | —            | —            |
| United Arab Emirates .....  | —                      | —                   | —                | 0               | —                       | 2             | 2             | —                                  | —            | —            |
| United Kingdom .....        | 12,420                 | 1,256               | —                | —               | —                       | 592           | 592           | —                                  | —            | —            |
| Venezuela .....             | —                      | 0                   | —                | 2               | —                       | —             | —             | —                                  | —            | —            |
| Other .....                 | 6,151                  | 2,375               | —                | 6               | —                       | 182           | 182           | 1                                  | 1            | 2            |
| <b>Total .....</b>          | <b>128,531</b>         | <b>74,193</b>       | <b>—</b>         | <b>6,629</b>    | <b>—</b>                | <b>25,404</b> | <b>25,404</b> | <b>4</b>                           | <b>1,374</b> | <b>1,378</b> |

See footnotes at end of table.

**Table 51. Exports of Crude Oil and Petroleum Products by Destination, October 2022**  
(Thousand Barrels) — Continued

| Destination                 | Biofuels     |            |                                    |                               | Distillate Fuel Oil     |                                       |                 |                       |               | Kerosene   | Finished Aviation Gasoline |
|-----------------------------|--------------|------------|------------------------------------|-------------------------------|-------------------------|---------------------------------------|-----------------|-----------------------|---------------|------------|----------------------------|
|                             | Fuel Ethanol | Biodiesel  | Renewable Diesel Fuel <sup>2</sup> | Other Biofuels <sup>2,3</sup> | 15 ppm sulfur and under | Greater than 15 ppm to 500 ppm sulfur | 501 to 2000 ppm | Greater than 2000 ppm | Total         |            |                            |
| Argentina .....             | —            | —          | NA                                 | NA                            | —                       | —                                     | —               | —                     | —             | —          | —                          |
| Australia .....             | 0            | 0          | NA                                 | NA                            | —                       | —                                     | —               | —                     | —             | 0          | —                          |
| Bahamas .....               | —            | —          | NA                                 | NA                            | 542                     | 175                                   | 248             | —                     | 965           | —          | —                          |
| Bahrain .....               | —            | —          | NA                                 | NA                            | —                       | —                                     | —               | —                     | —             | —          | —                          |
| Belgium .....               | 0            | —          | NA                                 | NA                            | —                       | —                                     | —               | —                     | —             | —          | —                          |
| Belize .....                | —            | —          | NA                                 | NA                            | 3                       | 40                                    | —               | —                     | 43            | —          | —                          |
| Brazil .....                | 1            | —          | NA                                 | NA                            | 2,866                   | 138                                   | —               | —                     | 3,004         | —          | —                          |
| Canada .....                | 1,060        | 420        | NA                                 | NA                            | 227                     | 74                                    | 121             | —                     | 422           | 87         | —                          |
| Cayman Islands .....        | 0            | —          | NA                                 | NA                            | 100                     | —                                     | —               | —                     | 100           | —          | —                          |
| Chile .....                 | 0            | —          | NA                                 | NA                            | 4,964                   | —                                     | —               | —                     | 4,964         | —          | —                          |
| China .....                 | 1            | —          | NA                                 | NA                            | 1                       | —                                     | —               | —                     | 1             | —          | —                          |
| Colombia .....              | 17           | —          | NA                                 | NA                            | 1,176                   | —                                     | —               | —                     | 1,176         | 0          | —                          |
| Costa Rica .....            | 0            | —          | NA                                 | NA                            | 534                     | —                                     | 0               | —                     | 534           | 0          | —                          |
| Denmark .....               | —            | —          | NA                                 | NA                            | —                       | —                                     | —               | —                     | —             | —          | —                          |
| Dominican Republic .....    | 1            | —          | NA                                 | NA                            | 185                     | —                                     | 329             | —                     | 515           | 0          | —                          |
| Ecuador .....               | 0            | —          | NA                                 | NA                            | 1,989                   | 571                                   | —               | —                     | 2,559         | —          | —                          |
| Egypt .....                 | —            | —          | NA                                 | NA                            | —                       | —                                     | —               | —                     | —             | —          | —                          |
| El Salvador .....           | 0            | —          | NA                                 | NA                            | 393                     | 179                                   | 80              | —                     | 652           | 0          | —                          |
| Finland .....               | —            | —          | NA                                 | NA                            | —                       | —                                     | —               | —                     | —             | —          | —                          |
| France .....                | 0            | —          | NA                                 | NA                            | —                       | —                                     | —               | —                     | —             | —          | —                          |
| Germany .....               | —            | 3          | NA                                 | NA                            | —                       | —                                     | —               | —                     | —             | —          | —                          |
| Ghana .....                 | —            | —          | NA                                 | NA                            | —                       | —                                     | —               | —                     | —             | —          | —                          |
| Gibraltar .....             | —            | —          | NA                                 | NA                            | —                       | —                                     | —               | —                     | —             | —          | —                          |
| Greece .....                | —            | —          | NA                                 | NA                            | —                       | —                                     | —               | —                     | —             | —          | —                          |
| Guatemala .....             | 0            | —          | NA                                 | NA                            | 622                     | —                                     | 140             | —                     | 762           | 0          | —                          |
| Honduras .....              | —            | —          | NA                                 | NA                            | 460                     | 85                                    | 384             | —                     | 929           | 0          | —                          |
| Hong Kong .....             | —            | —          | NA                                 | NA                            | —                       | —                                     | —               | —                     | —             | —          | —                          |
| India .....                 | 175          | —          | NA                                 | NA                            | 2                       | 1                                     | —               | —                     | 3             | —          | —                          |
| Indonesia .....             | 0            | —          | NA                                 | NA                            | —                       | —                                     | —               | —                     | —             | —          | —                          |
| Ireland .....               | —            | —          | NA                                 | NA                            | —                       | —                                     | —               | —                     | —             | —          | —                          |
| Israel .....                | 0            | —          | NA                                 | NA                            | —                       | —                                     | —               | —                     | —             | —          | —                          |
| Italy .....                 | —            | —          | NA                                 | NA                            | —                       | —                                     | —               | —                     | —             | —          | —                          |
| Jamaica .....               | 50           | —          | NA                                 | NA                            | 120                     | —                                     | 90              | —                     | 210           | 0          | —                          |
| Japan .....                 | 0            | —          | NA                                 | NA                            | 2                       | —                                     | —               | —                     | 2             | —          | —                          |
| Korea, South .....          | 120          | —          | NA                                 | NA                            | 3                       | —                                     | —               | —                     | 3             | —          | —                          |
| Lebanon .....               | 1            | —          | NA                                 | NA                            | —                       | —                                     | —               | —                     | —             | —          | —                          |
| Mexico .....                | 155          | 0          | NA                                 | NA                            | 7,862                   | —                                     | 3               | —                     | 7,864         | 4          | —                          |
| Montenegro .....            | —            | —          | NA                                 | NA                            | —                       | —                                     | —               | —                     | —             | —          | —                          |
| Morocco .....               | —            | —          | NA                                 | NA                            | 1                       | —                                     | —               | —                     | 1             | —          | —                          |
| Mozambique .....            | —            | —          | NA                                 | NA                            | —                       | —                                     | —               | —                     | —             | —          | —                          |
| Netherlands .....           | 132          | —          | NA                                 | NA                            | —                       | —                                     | 283             | —                     | 283           | 0          | —                          |
| New Zealand .....           | 0            | —          | NA                                 | NA                            | —                       | —                                     | —               | —                     | —             | —          | —                          |
| Nicaragua .....             | —            | —          | NA                                 | NA                            | —                       | 67                                    | 64              | —                     | 131           | 20         | —                          |
| Nigeria .....               | —            | —          | NA                                 | NA                            | —                       | —                                     | —               | —                     | —             | —          | —                          |
| Norway .....                | —            | —          | NA                                 | NA                            | —                       | —                                     | —               | —                     | —             | —          | —                          |
| Pakistan .....              | —            | —          | NA                                 | NA                            | —                       | —                                     | —               | —                     | —             | —          | —                          |
| Panama .....                | —            | —          | NA                                 | NA                            | 1,071                   | 467                                   | 225             | —                     | 1,763         | 1          | —                          |
| Peru .....                  | 108          | 45         | NA                                 | NA                            | 2,637                   | —                                     | —               | —                     | 2,637         | —          | —                          |
| Philippines .....           | 0            | —          | NA                                 | NA                            | —                       | —                                     | —               | —                     | —             | —          | —                          |
| Portugal .....              | —            | —          | NA                                 | NA                            | —                       | —                                     | —               | —                     | —             | —          | —                          |
| Puerto Rico .....           | 6            | —          | NA                                 | NA                            | 235                     | —                                     | —               | —                     | 235           | —          | —                          |
| Romania .....               | —            | —          | NA                                 | NA                            | —                       | —                                     | —               | —                     | —             | —          | —                          |
| Saudi Arabia .....          | 56           | —          | NA                                 | NA                            | —                       | —                                     | —               | —                     | —             | —          | —                          |
| Serbia (Excludes Kosovo) .. | —            | —          | NA                                 | NA                            | —                       | —                                     | —               | —                     | —             | —          | —                          |
| Singapore .....             | 0            | —          | NA                                 | NA                            | —                       | —                                     | —               | —                     | —             | 0          | —                          |
| South Africa .....          | —            | —          | NA                                 | NA                            | —                       | —                                     | —               | —                     | —             | —          | —                          |
| Spain .....                 | 32           | —          | NA                                 | NA                            | —                       | —                                     | —               | —                     | —             | —          | —                          |
| Switzerland .....           | 2            | —          | NA                                 | NA                            | —                       | —                                     | —               | —                     | —             | —          | —                          |
| Taiwan .....                | 0            | —          | NA                                 | NA                            | 0                       | —                                     | —               | —                     | 0             | —          | —                          |
| Thailand .....              | —            | —          | NA                                 | NA                            | —                       | —                                     | —               | —                     | —             | —          | —                          |
| Trinidad and Tobago .....   | —            | —          | NA                                 | NA                            | 0                       | —                                     | —               | —                     | 0             | —          | —                          |
| Turkey .....                | —            | —          | NA                                 | NA                            | —                       | —                                     | —               | —                     | —             | —          | —                          |
| United Arab Emirates .....  | —            | —          | NA                                 | NA                            | 0                       | —                                     | —               | —                     | 0             | 0          | —                          |
| United Kingdom .....        | 82           | —          | NA                                 | NA                            | 1,202                   | —                                     | —               | —                     | 1,202         | —          | —                          |
| Venezuela .....             | 0            | —          | NA                                 | NA                            | 4                       | —                                     | —               | —                     | 4             | —          | —                          |
| Other .....                 | 3            | —          | NA                                 | NA                            | 1,266                   | 442                                   | 947             | —                     | 2,656         | 2          | —                          |
| <b>Total .....</b>          | <b>2,002</b> | <b>468</b> | <b>NA</b>                          | <b>NA</b>                     | <b>28,467</b>           | <b>2,239</b>                          | <b>2,914</b>    | <b>—</b>              | <b>33,620</b> | <b>114</b> | <b>—</b>                   |

See footnotes at end of table.

**Table 51. Exports of Crude Oil and Petroleum Products by Destination, October 2022**  
(Thousand Barrels) — Continued

| Destination                 | Aviation<br>Gasoline<br>Blending<br>Components | Kerosene-<br>Type Jet<br>Fuel | Special<br>Naphthas | Residual<br>Fuel Oil | Petrochemical<br>Feedstocks |               | Waxes      | Petroleum<br>Coke |
|-----------------------------|------------------------------------------------|-------------------------------|---------------------|----------------------|-----------------------------|---------------|------------|-------------------|
|                             |                                                |                               |                     |                      | Naphtha                     | Other<br>Oils |            |                   |
| Argentina .....             | —                                              | 60                            | —                   | 360                  | —                           | —             | 1          | —                 |
| Australia .....             | —                                              | —                             | —                   | —                    | —                           | —             | 1          | 143               |
| Bahamas .....               | —                                              | 58                            | —                   | —                    | —                           | —             | —          | —                 |
| Bahrain .....               | —                                              | —                             | —                   | —                    | —                           | —             | —          | —                 |
| Belgium .....               | —                                              | —                             | —                   | —                    | —                           | —             | —          | 288               |
| Belize .....                | —                                              | 10                            | —                   | —                    | —                           | —             | —          | —                 |
| Brazil .....                | —                                              | 308                           | —                   | 6                    | —                           | —             | 1          | 1,476             |
| Canada .....                | —                                              | 1,212                         | —                   | 172                  | —                           | —             | 96         | 799               |
| Cayman Islands .....        | —                                              | 5                             | —                   | —                    | —                           | —             | 0          | —                 |
| Chile .....                 | —                                              | 615                           | —                   | —                    | —                           | —             | 1          | —                 |
| China .....                 | —                                              | —                             | —                   | 2                    | —                           | —             | 3          | 4,694             |
| Colombia .....              | —                                              | 257                           | —                   | —                    | —                           | —             | 0          | 58                |
| Costa Rica .....            | —                                              | 150                           | —                   | 115                  | —                           | —             | 0          | —                 |
| Denmark .....               | —                                              | —                             | —                   | —                    | —                           | —             | 0          | —                 |
| Dominican Republic .....    | —                                              | 131                           | —                   | 200                  | —                           | —             | 0          | 399               |
| Ecuador .....               | —                                              | —                             | —                   | —                    | —                           | —             | 0          | —                 |
| Egypt .....                 | —                                              | —                             | —                   | —                    | —                           | —             | —          | —                 |
| El Salvador .....           | —                                              | 182                           | —                   | —                    | —                           | —             | —          | —                 |
| Finland .....               | —                                              | —                             | —                   | —                    | —                           | —             | —          | —                 |
| France .....                | —                                              | —                             | —                   | —                    | —                           | —             | 0          | 21                |
| Germany .....               | —                                              | —                             | —                   | —                    | —                           | —             | 4          | 0                 |
| Ghana .....                 | —                                              | —                             | —                   | —                    | —                           | —             | —          | —                 |
| Gibraltar .....             | —                                              | —                             | —                   | —                    | —                           | —             | —          | —                 |
| Greece .....                | —                                              | —                             | —                   | —                    | —                           | —             | —          | —                 |
| Guatemala .....             | —                                              | 63                            | —                   | 20                   | —                           | —             | —          | 658               |
| Honduras .....              | —                                              | 52                            | —                   | 270                  | —                           | —             | —          | 262               |
| Hong Kong .....             | —                                              | —                             | —                   | —                    | —                           | —             | 0          | 0                 |
| India .....                 | —                                              | —                             | —                   | 38                   | —                           | —             | 1          | 3,569             |
| Indonesia .....             | —                                              | —                             | —                   | —                    | —                           | —             | 0          | —                 |
| Ireland .....               | —                                              | —                             | —                   | —                    | —                           | —             | —          | —                 |
| Israel .....                | —                                              | —                             | —                   | —                    | —                           | —             | —          | 423               |
| Italy .....                 | —                                              | —                             | —                   | —                    | —                           | —             | 0          | 578               |
| Jamaica .....               | —                                              | 0                             | —                   | 0                    | —                           | —             | 0          | 149               |
| Japan .....                 | —                                              | —                             | —                   | 0                    | —                           | —             | 1          | 712               |
| Korea, South .....          | —                                              | —                             | —                   | 540                  | —                           | —             | 0          | 248               |
| Lebanon .....               | —                                              | —                             | —                   | —                    | —                           | —             | —          | —                 |
| Mexico .....                | —                                              | 891                           | —                   | 224                  | —                           | —             | 15         | 1,020             |
| Montenegro .....            | —                                              | —                             | —                   | —                    | —                           | —             | —          | —                 |
| Morocco .....               | —                                              | —                             | —                   | —                    | —                           | —             | —          | —                 |
| Mozambique .....            | —                                              | —                             | —                   | —                    | —                           | —             | —          | 100               |
| Netherlands .....           | —                                              | 243                           | —                   | 334                  | —                           | —             | 3          | 1                 |
| New Zealand .....           | —                                              | 4                             | —                   | —                    | —                           | —             | 0          | —                 |
| Nicaragua .....             | —                                              | —                             | —                   | 115                  | —                           | —             | —          | 347               |
| Nigeria .....               | —                                              | —                             | —                   | —                    | —                           | —             | —          | —                 |
| Norway .....                | —                                              | —                             | —                   | —                    | —                           | —             | —          | 84                |
| Pakistan .....              | —                                              | —                             | —                   | —                    | —                           | —             | —          | —                 |
| Panama .....                | —                                              | 344                           | —                   | 516                  | —                           | —             | —          | —                 |
| Peru .....                  | —                                              | 160                           | —                   | —                    | —                           | —             | 0          | 55                |
| Philippines .....           | —                                              | —                             | —                   | 0                    | —                           | —             | 0          | —                 |
| Portugal .....              | —                                              | —                             | —                   | —                    | —                           | —             | —          | —                 |
| Puerto Rico .....           | —                                              | —                             | —                   | —                    | —                           | —             | 0          | —                 |
| Romania .....               | —                                              | —                             | —                   | —                    | —                           | —             | —          | —                 |
| Saudi Arabia .....          | —                                              | —                             | —                   | 0                    | —                           | —             | 0          | —                 |
| Serbia (Excludes Kosovo) .. | —                                              | —                             | —                   | —                    | —                           | —             | —          | —                 |
| Singapore .....             | —                                              | —                             | —                   | —                    | —                           | —             | —          | —                 |
| South Africa .....          | —                                              | —                             | —                   | —                    | —                           | —             | 1          | 97                |
| Spain .....                 | —                                              | —                             | —                   | —                    | —                           | —             | —          | 1,073             |
| Switzerland .....           | —                                              | —                             | —                   | —                    | —                           | —             | —          | —                 |
| Taiwan .....                | —                                              | —                             | —                   | —                    | —                           | —             | 0          | —                 |
| Thailand .....              | —                                              | —                             | —                   | —                    | —                           | —             | 0          | —                 |
| Trinidad and Tobago .....   | —                                              | 130                           | —                   | 45                   | —                           | —             | 0          | —                 |
| Turkey .....                | —                                              | —                             | —                   | —                    | —                           | —             | 0          | 607               |
| United Arab Emirates .....  | —                                              | —                             | —                   | —                    | —                           | —             | —          | 468               |
| United Kingdom .....        | —                                              | 30                            | —                   | 0                    | —                           | —             | 0          | 83                |
| Venezuela .....             | —                                              | —                             | —                   | —                    | —                           | —             | —          | —                 |
| Other .....                 | —                                              | 172                           | —                   | 22                   | —                           | —             | 3          | 401               |
| <b>Total .....</b>          | <b>—</b>                                       | <b>5,077</b>                  | <b>—</b>            | <b>2,979</b>         | <b>—</b>                    | <b>—</b>      | <b>131</b> | <b>18,813</b>     |

See footnotes at end of table.



**Table 51. Exports of Crude Oil and Petroleum Products by Destination, October 2022**  
(Thousand Barrels) — Continued

| Destination                 | Asphalt and Road Oil | Lubricants   | Miscellaneous Products | Total Products | Total Crude Oil and Products | Daily Average |              |              |
|-----------------------------|----------------------|--------------|------------------------|----------------|------------------------------|---------------|--------------|--------------|
|                             |                      |              |                        |                |                              | Crude Oil     | Products     | Total        |
| Argentina .....             | 24                   | 24           | 0                      | 517            | 517                          | —             | 17           | 17           |
| Australia .....             | 0                    | 9            | 0                      | 157            | 157                          | —             | 5            | 5            |
| Bahamas .....               | 1                    | 1            | 0                      | 1,335          | 1,335                        | —             | 43           | 43           |
| Bahrain .....               | —                    | 0            | —                      | 0              | 0                            | —             | 0            | 0            |
| Belgium .....               | —                    | 429          | 0                      | 1,751          | 1,751                        | —             | 56           | 56           |
| Belize .....                | —                    | 1            | —                      | 88             | 88                           | —             | 3            | 3            |
| Brazil .....                | —                    | 211          | 2                      | 6,868          | 7,258                        | 13            | 222          | 234          |
| Canada .....                | 213                  | 270          | 4                      | 13,192         | 25,074                       | 383           | 426          | 809          |
| Cayman Islands .....        | 1                    | 1            | —                      | 113            | 113                          | —             | 4            | 4            |
| Chile .....                 | —                    | 64           | —                      | 9,462          | 9,462                        | —             | 305          | 305          |
| China .....                 | 1                    | 10           | 1                      | 17,949         | 28,250                       | 332           | 579          | 911          |
| Colombia .....              | 1                    | 90           | 1                      | 4,542          | 5,067                        | 17            | 147          | 163          |
| Costa Rica .....            | —                    | 18           | —                      | 1,866          | 1,866                        | —             | 60           | 60           |
| Denmark .....               | —                    | 0            | —                      | 0              | 2,620                        | 85            | 0            | 85           |
| Dominican Republic .....    | 34                   | 22           | 0                      | 2,814          | 3,815                        | 32            | 91           | 123          |
| Ecuador .....               | 0                    | 22           | —                      | 4,161          | 4,161                        | —             | 134          | 134          |
| Egypt .....                 | —                    | 0            | —                      | 1,233          | 1,233                        | —             | 40           | 40           |
| El Salvador .....           | —                    | 34           | —                      | 1,627          | 1,627                        | —             | 52           | 52           |
| Finland .....               | —                    | 496          | —                      | 1,281          | 1,281                        | —             | 41           | 41           |
| France .....                | —                    | 111          | —                      | 1,568          | 3,642                        | 67            | 51           | 117          |
| Germany .....               | 6                    | 5            | —                      | 21             | 5,107                        | 164           | 1            | 165          |
| Ghana .....                 | —                    | 2            | —                      | 381            | 381                          | —             | 12           | 12           |
| Gibraltar .....             | —                    | —            | —                      | —              | —                            | —             | —            | —            |
| Greece .....                | —                    | 0            | —                      | 0              | 0                            | —             | 0            | 0            |
| Guatemala .....             | —                    | 8            | —                      | 3,105          | 3,105                        | —             | 100          | 100          |
| Honduras .....              | —                    | 13           | 0                      | 2,307          | 2,307                        | —             | 74           | 74           |
| Hong Kong .....             | —                    | 1            | 0                      | 2              | 2                            | —             | 0            | 0            |
| India .....                 | 0                    | 11           | 1                      | 5,906          | 21,695                       | 509           | 191          | 700          |
| Indonesia .....             | 0                    | 1            | 0                      | 2,552          | 3,212                        | 21            | 82           | 104          |
| Ireland .....               | —                    | 0            | —                      | 0              | 630                          | 20            | 0            | 20           |
| Israel .....                | 0                    | 1            | 0                      | 424            | 424                          | —             | 14           | 14           |
| Italy .....                 | —                    | 0            | —                      | 830            | 6,640                        | 187           | 27           | 214          |
| Jamaica .....               | —                    | 6            | —                      | 556            | 556                          | —             | 18           | 18           |
| Japan .....                 | 0                    | 5            | 7                      | 15,000         | 18,038                       | 98            | 484          | 582          |
| Korea, South .....          | 3                    | 6            | 0                      | 5,503          | 18,831                       | 430           | 178          | 607          |
| Lebanon .....               | —                    | 0            | —                      | 1              | 1                            | —             | 0            | 0            |
| Mexico .....                | 68                   | 609          | 30                     | 31,847         | 31,847                       | —             | 1,027        | 1,027        |
| Montenegro .....            | —                    | —            | —                      | —              | —                            | —             | —            | —            |
| Morocco .....               | —                    | —            | —                      | 1,173          | 1,173                        | —             | 38           | 38           |
| Mozambique .....            | —                    | —            | —                      | 100            | 100                          | —             | 3            | 3            |
| Netherlands .....           | 0                    | 4            | 0                      | 4,290          | 17,081                       | 413           | 138          | 551          |
| New Zealand .....           | 0                    | 0            | —                      | 5              | 5                            | —             | 0            | 0            |
| Nicaragua .....             | —                    | 5            | —                      | 617            | 902                          | 9             | 20           | 29           |
| Nigeria .....               | —                    | 0            | —                      | 177            | 177                          | —             | 6            | 6            |
| Norway .....                | —                    | 0            | 0                      | 1,226          | 1,957                        | 24            | 40           | 63           |
| Pakistan .....              | —                    | 0            | —                      | 0              | 0                            | —             | 0            | 0            |
| Panama .....                | —                    | 23           | —                      | 4,075          | 5,475                        | 45            | 131          | 177          |
| Peru .....                  | —                    | 55           | 0                      | 4,845          | 4,845                        | —             | 156          | 156          |
| Philippines .....           | —                    | 1            | 0                      | 3              | 3                            | —             | 0            | 0            |
| Portugal .....              | —                    | 0            | —                      | 717            | 1,460                        | 24            | 23           | 47           |
| Puerto Rico .....           | 1                    | 13           | —                      | 268            | 268                          | —             | 9            | 9            |
| Romania .....               | —                    | 0            | —                      | 62             | 62                           | —             | 2            | 2            |
| Saudi Arabia .....          | —                    | 11           | 0                      | 67             | 67                           | —             | 2            | 2            |
| Serbia (Excludes Kosovo) .. | —                    | —            | —                      | —              | —                            | —             | —            | —            |
| Singapore .....             | 0                    | 17           | 0                      | 1,558          | 12,269                       | 346           | 50           | 396          |
| South Africa .....          | —                    | 98           | —                      | 204            | 204                          | —             | 7            | 7            |
| Spain .....                 | —                    | 4            | —                      | 3,451          | 7,072                        | 117           | 111          | 228          |
| Switzerland .....           | —                    | 0            | —                      | 2              | 2                            | —             | 0            | 0            |
| Taiwan .....                | 0                    | 2            | 0                      | 328            | 4,506                        | 135           | 11           | 145          |
| Thailand .....              | 0                    | 5            | 1                      | 7              | 2,376                        | 76            | 0            | 77           |
| Trinidad and Tobago .....   | —                    | 8            | —                      | 183            | 183                          | —             | 6            | 6            |
| Turkey .....                | —                    | 1            | —                      | 2,085          | 2,085                        | —             | 67           | 67           |
| United Arab Emirates .....  | 1                    | 68           | 0                      | 540            | 540                          | —             | 17           | 17           |
| United Kingdom .....        | 0                    | 2            | —                      | 3,248          | 15,668                       | 401           | 105          | 505          |
| Venezuela .....             | —                    | 10           | —                      | 17             | 17                           | —             | 1            | 1            |
| Other .....                 | 4                    | 66           | 2                      | 5,880          | 12,028                       | 198           | 189          | 391          |
| <b>Total .....</b>          | <b>358</b>           | <b>2,874</b> | <b>49</b>              | <b>174,087</b> | <b>302,618</b>               | <b>4,146</b>  | <b>5,616</b> | <b>9,762</b> |

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

<sup>2</sup> EIA is unable to report exports of renewable diesel fuel and other biofuels because of limitations of product classification information available in export data from the U.S. Census Bureau.

<sup>3</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: U.S. Census Bureau and EIA estimates.

**Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-October 2022**  
(Thousand Barrels)

| Destination                 | Crude Oil <sup>1</sup> | Natural Gas Liquids | Refinery Olefins | Unfinished Oils | Finished Motor Gasoline |                |                | Motor Gasoline Blending Components |               |               |
|-----------------------------|------------------------|---------------------|------------------|-----------------|-------------------------|----------------|----------------|------------------------------------|---------------|---------------|
|                             |                        |                     |                  |                 | Reformulated            | Conventional   | Total          | Reformulated                       | Conventional  | Total         |
| Argentina .....             | —                      | 266                 | —                | 1,655           | —                       | 799            | 799            | —                                  | 0             | 0             |
| Australia .....             | 8,083                  | 2,867               | —                | 25              | —                       | 0              | 0              | 4                                  | 0             | 4             |
| Bahamas .....               | 1,192                  | 348                 | —                | 216             | —                       | 3,435          | 3,435          | 0                                  | 976           | 976           |
| Bahrain .....               | —                      | —                   | —                | 0               | —                       | 1              | 1              | 0                                  | —             | 0             |
| Belgium .....               | 965                    | 15,632              | —                | 2,830           | —                       | 0              | 0              | —                                  | 0             | 0             |
| Belize .....                | —                      | 195                 | —                | —               | —                       | 182            | 182            | —                                  | —             | —             |
| Brazil .....                | 20,510                 | 13,497              | —                | 17,526          | —                       | 11,180         | 11,180         | —                                  | —             | —             |
| Canada .....                | 101,068                | 74,010              | —                | 22,061          | —                       | 6,768          | 6,768          | —                                  | 8,740         | 8,740         |
| Cayman Islands .....        | —                      | 30                  | —                | 0               | —                       | 214            | 214            | 0                                  | 1             | 1             |
| Chile .....                 | 2,090                  | 13,033              | —                | 965             | —                       | 13,716         | 13,716         | 1                                  | 271           | 271           |
| China .....                 | 66,887                 | 90,746              | —                | 32              | —                       | 1              | 1              | 0                                  | 0             | 0             |
| Colombia .....              | 8,248                  | 861                 | —                | 10,917          | —                       | 11,839         | 11,839         | —                                  | 0             | 0             |
| Costa Rica .....            | —                      | 2,015               | —                | 137             | —                       | 6,632          | 6,632          | —                                  | 0             | 0             |
| Denmark .....               | 14,304                 | —                   | —                | 184             | —                       | 0              | 0              | 0                                  | —             | 0             |
| Dominican Republic .....    | 6,442                  | 12,484              | —                | 12              | —                       | 4,258          | 4,258          | 1                                  | 201           | 202           |
| Ecuador .....               | —                      | 10,505              | —                | 3,401           | —                       | 4,609          | 4,609          | —                                  | 9             | 9             |
| Egypt .....                 | —                      | 11,901              | —                | 0               | —                       | —              | —              | —                                  | —             | —             |
| El Salvador .....           | —                      | 2,902               | —                | 1               | —                       | 5,369          | 5,369          | —                                  | —             | —             |
| Finland .....               | 2,418                  | 6,514               | —                | 518             | —                       | —              | —              | —                                  | —             | —             |
| France .....                | 48,967                 | 7,281               | —                | 517             | —                       | 701            | 701            | —                                  | 0             | 0             |
| Germany .....               | 34,842                 | 216                 | —                | 26              | —                       | 0              | 0              | 0                                  | —             | 0             |
| Ghana .....                 | —                      | 1,686               | —                | 0               | —                       | —              | —              | —                                  | —             | —             |
| Gibraltar .....             | —                      | —                   | —                | —               | —                       | —              | —              | —                                  | —             | —             |
| Greece .....                | —                      | 0                   | —                | —               | —                       | 1              | 1              | —                                  | 0             | 0             |
| Guatemala .....             | —                      | 2,715               | —                | 38              | —                       | 12,983         | 12,983         | 0                                  | 108           | 108           |
| Honduras .....              | —                      | 5,156               | —                | 38              | —                       | 5,014          | 5,014          | —                                  | 1             | 1             |
| Hong Kong .....             | —                      | —                   | —                | 0               | —                       | 0              | 0              | —                                  | —             | —             |
| India .....                 | 93,015                 | 34,036              | —                | 50              | —                       | 0              | 0              | 0                                  | 0             | 0             |
| Indonesia .....             | 2,012                  | 24,965              | —                | 3               | —                       | —              | —              | —                                  | —             | —             |
| Ireland .....               | 6,968                  | —                   | —                | —               | —                       | 1              | 1              | —                                  | —             | —             |
| Israel .....                | —                      | 104                 | —                | 1               | —                       | 0              | 0              | —                                  | 0             | 0             |
| Italy .....                 | 51,527                 | 989                 | —                | 30              | —                       | —              | —              | —                                  | —             | —             |
| Jamaica .....               | —                      | 368                 | —                | 0               | —                       | 1,798          | 1,798          | 0                                  | 1             | 1             |
| Japan .....                 | 10,992                 | 118,734             | —                | 3,837           | —                       | 3              | 3              | 11                                 | —             | 11            |
| Korea, South .....          | 108,261                | 42,925              | —                | 531             | —                       | 510            | 510            | 4                                  | 5             | 8             |
| Lebanon .....               | —                      | —                   | —                | —               | —                       | —              | —              | —                                  | —             | —             |
| Mexico .....                | —                      | 61,779              | —                | 5,229           | —                       | 147,474        | 147,474        | 5                                  | 7,926         | 7,931         |
| Montenegro .....            | —                      | —                   | —                | —               | —                       | —              | —              | —                                  | —             | —             |
| Morocco .....               | —                      | 14,236              | —                | —               | —                       | —              | —              | —                                  | —             | —             |
| Mozambique .....            | —                      | —                   | —                | —               | —                       | —              | —              | —                                  | —             | —             |
| Netherlands .....           | 105,954                | 25,740              | —                | 10,399          | —                       | 4              | 4              | —                                  | —             | —             |
| New Zealand .....           | —                      | 2                   | —                | 0               | —                       | 0              | 0              | —                                  | —             | —             |
| Nicaragua .....             | 2,677                  | 50                  | —                | —               | —                       | 416            | 416            | —                                  | —             | —             |
| Nigeria .....               | —                      | 3,524               | —                | 1               | —                       | 1,791          | 1,791          | —                                  | —             | —             |
| Norway .....                | 3,616                  | 11,050              | —                | 800             | —                       | —              | —              | —                                  | —             | —             |
| Pakistan .....              | —                      | —                   | —                | 13              | —                       | 1              | 1              | —                                  | 0             | 0             |
| Panama .....                | 2,522                  | 2,542               | —                | 4               | —                       | 6,637          | 6,637          | 1                                  | 304           | 305           |
| Peru .....                  | 4,927                  | 3,759               | —                | 934             | —                       | 10,259         | 10,259         | —                                  | 710           | 710           |
| Philippines .....           | —                      | 0                   | —                | 2               | —                       | —              | —              | —                                  | —             | —             |
| Portugal .....              | 4,333                  | 6,968               | —                | —               | —                       | —              | —              | —                                  | —             | —             |
| Puerto Rico .....           | —                      | 70                  | —                | 15              | —                       | 203            | 203            | 0                                  | 1             | 1             |
| Romania .....               | —                      | 62                  | —                | —               | —                       | —              | —              | —                                  | —             | —             |
| Saudi Arabia .....          | —                      | 1                   | —                | 2,305           | —                       | 2              | 2              | —                                  | 0             | 0             |
| Serbia (Excludes Kosovo) .. | —                      | —                   | —                | —               | —                       | —              | —              | —                                  | —             | —             |
| Singapore .....             | 97,212                 | 20,380              | —                | 836             | —                       | 3              | 3              | —                                  | 0             | 0             |
| South Africa .....          | —                      | 4,239               | —                | 19              | —                       | 631            | 631            | 0                                  | —             | 0             |
| Spain .....                 | 49,041                 | 11,677              | —                | 19              | —                       | 736            | 736            | —                                  | —             | —             |
| Switzerland .....           | 1,535                  | 3,339               | —                | 843             | —                       | —              | —              | —                                  | 310           | 310           |
| Taiwan .....                | 53,580                 | 577                 | —                | 2,821           | —                       | 3              | 3              | —                                  | 0             | 0             |
| Thailand .....              | 18,646                 | 0                   | —                | 13              | —                       | 0              | 0              | —                                  | —             | —             |
| Trinidad and Tobago .....   | —                      | 8                   | —                | 2               | —                       | 886            | 886            | —                                  | —             | —             |
| Turkey .....                | —                      | 14,004              | —                | 0               | —                       | 0              | 0              | —                                  | 0             | 0             |
| United Arab Emirates .....  | —                      | 0                   | —                | 3               | —                       | 9              | 9              | 0                                  | 0             | 0             |
| United Kingdom .....        | 102,567                | 14,286              | —                | 444             | —                       | 1,098          | 1,098          | 1                                  | 1             | 1             |
| Venezuela .....             | —                      | 3                   | —                | 7               | —                       | 4              | 4              | 1                                  | 0             | 1             |
| Other .....                 | 39,529                 | 26,651              | —                | 599             | —                       | 3,405          | 3,405          | 4                                  | 31            | 38            |
| <b>Total .....</b>          | <b>1,074,930</b>       | <b>721,928</b>      | <b>—</b>         | <b>90,859</b>   | <b>—</b>                | <b>263,576</b> | <b>263,576</b> | <b>33</b>                          | <b>19,596</b> | <b>19,629</b> |

See footnotes at end of table.

**Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-October 2022**  
(Thousand Barrels) — Continued

| Destination                 | Biofuels      |              |                                    |                               | Distillate Fuel Oil     |                                       |                 |                       |                | Kerosene     | Finished Aviation Gasoline |
|-----------------------------|---------------|--------------|------------------------------------|-------------------------------|-------------------------|---------------------------------------|-----------------|-----------------------|----------------|--------------|----------------------------|
|                             | Fuel Ethanol  | Biodiesel    | Renewable Diesel Fuel <sup>2</sup> | Other Biofuels <sup>2,3</sup> | 15 ppm sulfur and under | Greater than 15 ppm to 500 ppm sulfur | 501 to 2000 ppm | Greater than 2000 ppm | Total          |              |                            |
| Argentina .....             | 1             | 0            | NA                                 | NA                            | 14,412                  | 535                                   | 2,138           | —                     | 17,085         | 0            | —                          |
| Australia .....             | 80            | 0            | NA                                 | NA                            | 5                       | —                                     | 2               | —                     | 7              | 0            | —                          |
| Bahamas .....               | 2             | 0            | NA                                 | NA                            | 4,461                   | 456                                   | 2,567           | —                     | 7,485          | 0            | —                          |
| Bahrain .....               | 0             | —            | NA                                 | NA                            | —                       | —                                     | —               | —                     | —              | 0            | —                          |
| Belgium .....               | 1             | 0            | NA                                 | NA                            | 1,744                   | —                                     | 488             | —                     | 2,232          | —            | —                          |
| Belize .....                | —             | —            | NA                                 | NA                            | 162                     | 185                                   | —               | —                     | 347            | —            | —                          |
| Brazil .....                | 1,417         | —            | NA                                 | NA                            | 42,025                  | 1,867                                 | 1,585           | —                     | 45,477         | 759          | —                          |
| Canada .....                | 9,677         | 3,892        | NA                                 | NA                            | 261                     | 2,001                                 | 1,582           | —                     | 3,844          | 451          | —                          |
| Cayman Islands .....        | 0             | —            | NA                                 | NA                            | 1,086                   | 185                                   | —               | —                     | 1,271          | —            | —                          |
| Chile .....                 | 174           | 1            | NA                                 | NA                            | 45,555                  | 593                                   | 300             | —                     | 46,448         | 0            | —                          |
| China .....                 | 11            | 0            | NA                                 | NA                            | 461                     | 150                                   | 1               | —                     | 612            | 0            | —                          |
| Colombia .....              | 253           | —            | NA                                 | NA                            | 10,140                  | 136                                   | —               | —                     | 10,276         | 19           | —                          |
| Costa Rica .....            | 4             | —            | NA                                 | NA                            | 6,536                   | 21                                    | 0               | —                     | 6,557          | 1            | —                          |
| Denmark .....               | —             | —            | NA                                 | NA                            | 757                     | —                                     | —               | —                     | 757            | —            | —                          |
| Dominican Republic .....    | 11            | —            | NA                                 | NA                            | 2,866                   | 35                                    | 3,018           | —                     | 5,919          | 101          | —                          |
| Ecuador .....               | 0             | —            | NA                                 | NA                            | 11,359                  | 1,427                                 | 406             | —                     | 13,192         | 2            | —                          |
| Egypt .....                 | 118           | —            | NA                                 | NA                            | —                       | —                                     | —               | —                     | —              | —            | —                          |
| El Salvador .....           | 0             | —            | NA                                 | NA                            | 2,129                   | 1,095                                 | 881             | —                     | 4,105          | 0            | —                          |
| Finland .....               | 52            | —            | NA                                 | NA                            | —                       | —                                     | —               | —                     | —              | —            | —                          |
| France .....                | 62            | —            | NA                                 | NA                            | 1,507                   | 213                                   | —               | —                     | 1,720          | 0            | —                          |
| Germany .....               | 2             | 23           | NA                                 | NA                            | 1                       | —                                     | —               | —                     | 1              | —            | —                          |
| Ghana .....                 | —             | —            | NA                                 | NA                            | 626                     | —                                     | —               | —                     | 626            | —            | —                          |
| Gibraltar .....             | 31            | —            | NA                                 | NA                            | 280                     | —                                     | —               | —                     | 280            | —            | —                          |
| Greece .....                | 230           | —            | NA                                 | NA                            | —                       | —                                     | —               | —                     | —              | —            | —                          |
| Guatemala .....             | 1             | —            | NA                                 | NA                            | 6,781                   | 2,629                                 | 1,650           | —                     | 11,059         | 2            | —                          |
| Honduras .....              | 0             | —            | NA                                 | NA                            | 3,094                   | 3,045                                 | 1,143           | —                     | 7,282          | 151          | —                          |
| Hong Kong .....             | 0             | —            | NA                                 | NA                            | —                       | —                                     | —               | —                     | —              | —            | —                          |
| India .....                 | 2,111         | 0            | NA                                 | NA                            | 270                     | 1                                     | —               | —                     | 270            | —            | —                          |
| Indonesia .....             | 1             | 1            | NA                                 | NA                            | 4                       | —                                     | —               | —                     | 4              | —            | —                          |
| Ireland .....               | 0             | —            | NA                                 | NA                            | —                       | —                                     | —               | —                     | —              | —            | —                          |
| Israel .....                | 7             | —            | NA                                 | NA                            | 0                       | —                                     | —               | —                     | 0              | 0            | —                          |
| Italy .....                 | 0             | 0            | NA                                 | NA                            | —                       | —                                     | —               | —                     | —              | —            | —                          |
| Jamaica .....               | 406           | —            | NA                                 | NA                            | 1,115                   | 561                                   | 871             | —                     | 2,547          | 0            | —                          |
| Japan .....                 | 4             | —            | NA                                 | NA                            | 2                       | —                                     | —               | —                     | 2              | 1            | —                          |
| Korea, South .....          | 3,446         | 0            | NA                                 | NA                            | 14                      | 165                                   | —               | —                     | 179            | 0            | —                          |
| Lebanon .....               | 1             | —            | NA                                 | NA                            | 0                       | —                                     | —               | —                     | 0              | —            | —                          |
| Mexico .....                | 1,445         | 3            | NA                                 | NA                            | 88,663                  | 1,037                                 | 548             | —                     | 90,248         | 19           | —                          |
| Montenegro .....            | —             | —            | NA                                 | NA                            | —                       | —                                     | —               | —                     | —              | —            | —                          |
| Morocco .....               | 0             | —            | NA                                 | NA                            | 1                       | 31                                    | —               | —                     | 32             | —            | —                          |
| Mozambique .....            | —             | —            | NA                                 | NA                            | —                       | —                                     | —               | —                     | —              | —            | —                          |
| Netherlands .....           | 2,249         | 205          | NA                                 | NA                            | 6,448                   | 594                                   | 1,638           | —                     | 8,681          | 0            | —                          |
| New Zealand .....           | 0             | —            | NA                                 | NA                            | 0                       | —                                     | —               | —                     | 0              | 0            | —                          |
| Nicaragua .....             | 0             | —            | NA                                 | NA                            | 798                     | 696                                   | 805             | —                     | 2,299          | 421          | —                          |
| Nigeria .....               | 682           | —            | NA                                 | NA                            | 4                       | 121                                   | —               | —                     | 124            | 2            | —                          |
| Norway .....                | 35            | 45           | NA                                 | NA                            | 317                     | —                                     | —               | —                     | 317            | —            | —                          |
| Pakistan .....              | —             | 0            | NA                                 | NA                            | —                       | —                                     | —               | —                     | —              | —            | —                          |
| Panama .....                | 0             | —            | NA                                 | NA                            | 16,473                  | 2,199                                 | 2,515           | —                     | 21,186         | 9            | —                          |
| Peru .....                  | 971           | 485          | NA                                 | NA                            | 27,735                  | 1,436                                 | 50              | —                     | 29,220         | 0            | —                          |
| Philippines .....           | 647           | —            | NA                                 | NA                            | —                       | —                                     | —               | —                     | —              | 0            | —                          |
| Portugal .....              | —             | —            | NA                                 | NA                            | —                       | —                                     | —               | —                     | —              | —            | —                          |
| Puerto Rico .....           | 46            | —            | NA                                 | NA                            | 1,521                   | 150                                   | 0               | —                     | 1,671          | 1            | —                          |
| Romania .....               | —             | —            | NA                                 | NA                            | 1                       | —                                     | —               | —                     | 1              | —            | —                          |
| Saudi Arabia .....          | 439           | 0            | NA                                 | NA                            | 8                       | —                                     | —               | —                     | 8              | 3            | —                          |
| Serbia (Excludes Kosovo) .. | —             | —            | NA                                 | NA                            | —                       | —                                     | —               | —                     | —              | —            | —                          |
| Singapore .....             | 1,194         | 1,813        | NA                                 | NA                            | 1,931                   | 165                                   | 580             | —                     | 2,676          | 0            | —                          |
| South Africa .....          | 0             | —            | NA                                 | NA                            | 1                       | —                                     | —               | —                     | 1              | —            | —                          |
| Spain .....                 | 72            | —            | NA                                 | NA                            | 750                     | —                                     | —               | —                     | 750            | 0            | —                          |
| Switzerland .....           | 45            | 0            | NA                                 | NA                            | 401                     | 275                                   | —               | —                     | 676            | —            | —                          |
| Taiwan .....                | 4             | 1            | NA                                 | NA                            | 2                       | —                                     | —               | —                     | 2              | 2            | —                          |
| Thailand .....              | 0             | —            | NA                                 | NA                            | 0                       | —                                     | —               | —                     | 0              | —            | —                          |
| Trinidad and Tobago .....   | 2             | —            | NA                                 | NA                            | 1,804                   | —                                     | 2,459           | —                     | 4,263          | —            | —                          |
| Turkey .....                | 24            | —            | NA                                 | NA                            | 303                     | —                                     | —               | —                     | 303            | —            | —                          |
| United Arab Emirates .....  | 346           | 0            | NA                                 | NA                            | 1                       | —                                     | —               | —                     | 1              | 3            | —                          |
| United Kingdom .....        | 1,520         | 0            | NA                                 | NA                            | 8,380                   | 600                                   | —               | —                     | 8,980          | 322          | —                          |
| Venezuela .....             | 0             | —            | NA                                 | NA                            | 7                       | —                                     | —               | —                     | 7              | —            | —                          |
| Other .....                 | 677           | 1            | NA                                 | NA                            | 11,419                  | 4,593                                 | 4,399           | —                     | 20,415         | 4            | —                          |
| <b>Total .....</b>          | <b>28,501</b> | <b>6,470</b> | <b>NA</b>                          | <b>NA</b>                     | <b>324,621</b>          | <b>27,197</b>                         | <b>29,626</b>   | <b>—</b>              | <b>381,445</b> | <b>2,273</b> | <b>—</b>                   |

See footnotes at end of table.

**Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-October 2022**  
(Thousand Barrels) — Continued

| Destination                 | Aviation<br>Gasoline<br>Blending<br>Components | Kerosene-<br>Type Jet<br>Fuel | Special<br>Naphthas | Residual<br>Fuel Oil | Petrochemical<br>Feedstocks |               | Waxes        | Petroleum<br>Coke |
|-----------------------------|------------------------------------------------|-------------------------------|---------------------|----------------------|-----------------------------|---------------|--------------|-------------------|
|                             |                                                |                               |                     |                      | Naphtha                     | Other<br>Oils |              |                   |
| Argentina .....             | —                                              | 282                           | —                   | 390                  | —                           | —             | 4            | 452               |
| Australia .....             | —                                              | 0                             | —                   | 0                    | —                           | —             | 12           | 2,027             |
| Bahamas .....               | —                                              | 1,207                         | —                   | 4,530                | —                           | —             | —            | —                 |
| Bahrain .....               | —                                              | —                             | —                   | —                    | —                           | —             | 0            | —                 |
| Belgium .....               | —                                              | —                             | —                   | 434                  | —                           | —             | 0            | 1,194             |
| Belize .....                | —                                              | 75                            | —                   | —                    | —                           | —             | 0            | —                 |
| Brazil .....                | —                                              | 1,952                         | —                   | 6                    | —                           | —             | 7            | 16,159            |
| Canada .....                | —                                              | 8,311                         | —                   | 3,280                | —                           | —             | 1,063        | 6,136             |
| Cayman Islands .....        | —                                              | 442                           | —                   | 0                    | —                           | —             | 0            | —                 |
| Chile .....                 | —                                              | 5,661                         | —                   | 888                  | —                           | —             | 5            | 464               |
| China .....                 | —                                              | 0                             | —                   | 26                   | —                           | —             | 33           | 29,981            |
| Colombia .....              | —                                              | 944                           | —                   | 201                  | —                           | —             | 2            | 60                |
| Costa Rica .....            | —                                              | 1,609                         | —                   | 185                  | —                           | —             | 1            | 547               |
| Denmark .....               | —                                              | —                             | —                   | —                    | —                           | —             | 0            | 419               |
| Dominican Republic .....    | —                                              | 2,105                         | —                   | 1,007                | —                           | —             | 5            | 1,840             |
| Ecuador .....               | —                                              | 9                             | —                   | 2                    | —                           | —             | 0            | 1,271             |
| Egypt .....                 | —                                              | —                             | —                   | —                    | —                           | —             | —            | 2,229             |
| El Salvador .....           | —                                              | 583                           | —                   | 0                    | —                           | —             | 1            | 520               |
| Finland .....               | —                                              | —                             | —                   | —                    | —                           | —             | 0            | 278               |
| France .....                | —                                              | —                             | —                   | 0                    | —                           | —             | 2            | 894               |
| Germany .....               | —                                              | —                             | —                   | 2                    | —                           | —             | 22           | 359               |
| Ghana .....                 | —                                              | —                             | —                   | —                    | —                           | —             | —            | 90                |
| Gibraltar .....             | —                                              | —                             | —                   | 137                  | —                           | —             | —            | —                 |
| Greece .....                | —                                              | —                             | —                   | 0                    | —                           | —             | —            | 3,334             |
| Guatemala .....             | —                                              | 538                           | —                   | 20                   | —                           | —             | 2            | 3,689             |
| Honduras .....              | —                                              | 645                           | —                   | 270                  | —                           | —             | 0            | 2,231             |
| Hong Kong .....             | —                                              | —                             | —                   | —                    | —                           | —             | 1            | 0                 |
| India .....                 | —                                              | 72                            | —                   | 48                   | —                           | —             | 20           | 19,107            |
| Indonesia .....             | —                                              | —                             | —                   | —                    | —                           | —             | 1            | 55                |
| Ireland .....               | —                                              | —                             | —                   | —                    | —                           | —             | 0            | 783               |
| Israel .....                | —                                              | 1,296                         | —                   | 0                    | —                           | —             | 0            | 1,326             |
| Italy .....                 | —                                              | —                             | —                   | —                    | —                           | —             | 1            | 5,824             |
| Jamaica .....               | —                                              | 994                           | —                   | 0                    | —                           | —             | 0            | 150               |
| Japan .....                 | —                                              | 0                             | —                   | 2                    | —                           | —             | 7            | 15,249            |
| Korea, South .....          | —                                              | 0                             | —                   | 2,659                | —                           | —             | 3            | 431               |
| Lebanon .....               | —                                              | 0                             | —                   | 0                    | —                           | —             | —            | 237               |
| Mexico .....                | —                                              | 16,488                        | —                   | 2,388                | —                           | —             | 173          | 16,559            |
| Montenegro .....            | —                                              | —                             | —                   | —                    | —                           | —             | —            | 110               |
| Morocco .....               | —                                              | —                             | —                   | —                    | —                           | —             | —            | 4,257             |
| Mozambique .....            | —                                              | —                             | —                   | —                    | —                           | —             | —            | 746               |
| Netherlands .....           | —                                              | 976                           | —                   | 1,017                | —                           | —             | 39           | 3,275             |
| New Zealand .....           | —                                              | 4                             | —                   | —                    | —                           | —             | 0            | 319               |
| Nicaragua .....             | —                                              | 146                           | —                   | 115                  | —                           | —             | 0            | 413               |
| Nigeria .....               | —                                              | 0                             | —                   | —                    | —                           | —             | 0            | 187               |
| Norway .....                | —                                              | —                             | —                   | —                    | —                           | —             | —            | 889               |
| Pakistan .....              | —                                              | —                             | —                   | —                    | —                           | —             | 0            | 275               |
| Panama .....                | —                                              | 4,193                         | —                   | 6,652                | —                           | —             | 0            | 264               |
| Peru .....                  | —                                              | 2,531                         | —                   | 64                   | —                           | —             | 1            | 235               |
| Philippines .....           | —                                              | —                             | —                   | 0                    | —                           | —             | 1            | 1,081             |
| Portugal .....              | —                                              | —                             | —                   | —                    | —                           | —             | 0            | 875               |
| Puerto Rico .....           | —                                              | 620                           | —                   | 1                    | —                           | —             | 0            | —                 |
| Romania .....               | —                                              | —                             | —                   | —                    | —                           | —             | 0            | 281               |
| Saudi Arabia .....          | —                                              | 3                             | —                   | 149                  | —                           | —             | 1            | 95                |
| Serbia (Excludes Kosovo) .. | —                                              | —                             | —                   | —                    | —                           | —             | —            | —                 |
| Singapore .....             | —                                              | 135                           | —                   | 1,584                | —                           | —             | 0            | 303               |
| South Africa .....          | —                                              | —                             | —                   | 25                   | —                           | —             | 1            | 532               |
| Spain .....                 | —                                              | —                             | —                   | 75                   | —                           | —             | 22           | 4,938             |
| Switzerland .....           | —                                              | —                             | —                   | —                    | —                           | —             | 0            | —                 |
| Taiwan .....                | —                                              | 0                             | —                   | 0                    | —                           | —             | 1            | 0                 |
| Thailand .....              | —                                              | —                             | —                   | 0                    | —                           | —             | 1            | 719               |
| Trinidad and Tobago .....   | —                                              | 911                           | —                   | 45                   | —                           | —             | 0            | 1                 |
| Turkey .....                | —                                              | —                             | —                   | 2                    | —                           | —             | 1            | 8,966             |
| United Arab Emirates .....  | —                                              | 0                             | —                   | 6                    | —                           | —             | 0            | 1,353             |
| United Kingdom .....        | —                                              | 215                           | —                   | 1                    | —                           | —             | 2            | 1,054             |
| Venezuela .....             | —                                              | 0                             | —                   | —                    | —                           | —             | 0            | —                 |
| Other .....                 | —                                              | 2,442                         | —                   | 4,461                | —                           | —             | 9            | 6,541             |
| <b>Total .....</b>          | <b>—</b>                                       | <b>55,389</b>                 | <b>—</b>            | <b>30,672</b>        | <b>—</b>                    | <b>—</b>      | <b>1,444</b> | <b>171,604</b>    |

See footnotes at end of table.

**Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-October 2022**  
(Thousand Barrels) — Continued

| Destination                 | Asphalt and Road Oil | Lubricants    | Miscellaneous Products | Total Products   | Total Crude Oil and Products | Daily Average |              |              |
|-----------------------------|----------------------|---------------|------------------------|------------------|------------------------------|---------------|--------------|--------------|
|                             |                      |               |                        |                  |                              | Crude Oil     | Products     | Total        |
| Argentina .....             | 234                  | 414           | 1                      | 21,582           | 21,582                       | —             | 71           | 71           |
| Australia .....             | 3                    | 69            | 1                      | 5,095            | 13,178                       | 27            | 17           | 43           |
| Bahamas .....               | 18                   | 26            | 3                      | 18,248           | 19,439                       | 4             | 60           | 64           |
| Bahrain .....               | —                    | 1             | —                      | 2                | 2                            | —             | 0            | 0            |
| Belgium .....               | 2                    | 3,598         | 8                      | 25,932           | 26,897                       | 3             | 85           | 88           |
| Belize .....                | 0                    | 11            | —                      | 810              | 810                          | —             | 3            | 3            |
| Brazil .....                | 1                    | 3,058         | 10                     | 111,047          | 131,557                      | 67            | 365          | 433          |
| Canada .....                | 1,495                | 3,080         | 72                     | 152,881          | 253,950                      | 332           | 503          | 835          |
| Cayman Islands .....        | 10                   | 11            | 0                      | 1,979            | 1,979                        | —             | 7            | 7            |
| Chile .....                 | 404                  | 818           | 0                      | 82,847           | 84,937                       | 7             | 273          | 279          |
| China .....                 | 8                    | 105           | 8                      | 121,563          | 188,450                      | 220           | 400          | 620          |
| Colombia .....              | 4                    | 2,657         | 4                      | 38,035           | 46,283                       | 27            | 125          | 152          |
| Costa Rica .....            | 317                  | 158           | 0                      | 18,163           | 18,163                       | —             | 60           | 60           |
| Denmark .....               | —                    | 1             | —                      | 1,360            | 15,663                       | 47            | 4            | 52           |
| Dominican Republic .....    | 223                  | 289           | 1                      | 28,457           | 34,898                       | 21            | 94           | 115          |
| Ecuador .....               | 1                    | 581           | 17                     | 33,600           | 33,600                       | —             | 111          | 111          |
| Egypt .....                 | —                    | 4             | —                      | 14,253           | 14,253                       | —             | 47           | 47           |
| El Salvador .....           | 0                    | 273           | 0                      | 13,756           | 13,756                       | —             | 45           | 45           |
| Finland .....               | —                    | 502           | —                      | 7,865            | 10,283                       | 8             | 26           | 34           |
| France .....                | —                    | 710           | 0                      | 11,887           | 60,854                       | 161           | 39           | 200          |
| Germany .....               | 33                   | 27            | 4                      | 715              | 35,558                       | 115           | 2            | 117          |
| Ghana .....                 | —                    | 5             | —                      | 2,407            | 2,407                        | —             | 8            | 8            |
| Gibraltar .....             | —                    | —             | —                      | 448              | 448                          | —             | 1            | 1            |
| Greece .....                | —                    | 2             | —                      | 3,567            | 3,567                        | —             | 12           | 12           |
| Guatemala .....             | 0                    | 186           | 0                      | 31,340           | 31,340                       | —             | 103          | 103          |
| Honduras .....              | 127                  | 131           | 0                      | 21,046           | 21,046                       | —             | 69           | 69           |
| Hong Kong .....             | —                    | 9             | 1                      | 13               | 13                           | —             | 0            | 0            |
| India .....                 | 2                    | 827           | 3                      | 56,547           | 149,562                      | 306           | 186          | 492          |
| Indonesia .....             | 6                    | 22            | 0                      | 25,056           | 27,068                       | 7             | 82           | 89           |
| Ireland .....               | —                    | 0             | 1                      | 785              | 7,753                        | 23            | 3            | 26           |
| Israel .....                | 0                    | 341           | 1                      | 3,077            | 3,077                        | —             | 10           | 10           |
| Italy .....                 | 0                    | 7             | 1                      | 6,852            | 58,379                       | 169           | 23           | 192          |
| Jamaica .....               | 0                    | 52            | 1                      | 6,318            | 6,318                        | —             | 21           | 21           |
| Japan .....                 | 10                   | 120           | 53                     | 138,033          | 149,026                      | 36            | 454          | 490          |
| Korea, South .....          | 5                    | 65            | 3                      | 50,769           | 159,031                      | 356           | 167          | 523          |
| Lebanon .....               | —                    | 3             | —                      | 241              | 241                          | —             | 1            | 1            |
| Mexico .....                | 973                  | 7,243         | 306                    | 358,256          | 358,256                      | —             | 1,178        | 1,178        |
| Montenegro .....            | —                    | —             | —                      | 110              | 110                          | —             | 0            | 0            |
| Morocco .....               | —                    | 0             | —                      | 18,525           | 18,525                       | —             | 61           | 61           |
| Mozambique .....            | —                    | 2             | —                      | 748              | 748                          | —             | 2            | 2            |
| Netherlands .....           | 6                    | 254           | 3                      | 52,850           | 158,804                      | 349           | 174          | 522          |
| New Zealand .....           | 198                  | 7             | —                      | 531              | 531                          | —             | 2            | 2            |
| Nicaragua .....             | —                    | 51            | —                      | 3,911            | 6,588                        | 9             | 13           | 22           |
| Nigeria .....               | 1                    | 714           | —                      | 7,025            | 7,025                        | —             | 23           | 23           |
| Norway .....                | —                    | 1             | 0                      | 13,138           | 16,754                       | 12            | 43           | 55           |
| Pakistan .....              | 0                    | 1             | 0                      | 291              | 291                          | —             | 1            | 1            |
| Panama .....                | 225                  | 246           | 0                      | 42,263           | 44,786                       | 8             | 139          | 147          |
| Peru .....                  | 0                    | 710           | 1                      | 49,881           | 54,808                       | 16            | 164          | 180          |
| Philippines .....           | —                    | 13            | 2                      | 1,746            | 1,746                        | —             | 6            | 6            |
| Portugal .....              | —                    | 1             | —                      | 7,844            | 12,177                       | 14            | 26           | 40           |
| Puerto Rico .....           | 216                  | 173           | 0                      | 3,019            | 3,019                        | —             | 10           | 10           |
| Romania .....               | —                    | 2             | —                      | 346              | 346                          | —             | 1            | 1            |
| Saudi Arabia .....          | 0                    | 59            | 0                      | 3,065            | 3,065                        | —             | 10           | 10           |
| Serbia (Excludes Kosovo) .. | —                    | —             | —                      | —                | —                            | —             | —            | —            |
| Singapore .....             | 1                    | 103           | 0                      | 29,027           | 126,239                      | 320           | 95           | 415          |
| South Africa .....          | 0                    | 398           | —                      | 5,845            | 5,845                        | —             | 19           | 19           |
| Spain .....                 | 0                    | 20            | —                      | 18,308           | 67,349                       | 161           | 60           | 222          |
| Switzerland .....           | 1                    | 35            | 0                      | 5,249            | 6,784                        | 5             | 17           | 22           |
| Taiwan .....                | 2                    | 52            | 1                      | 3,466            | 57,046                       | 176           | 11           | 188          |
| Thailand .....              | 1                    | 84            | 2                      | 821              | 19,466                       | 61            | 3            | 64           |
| Trinidad and Tobago .....   | —                    | 80            | 0                      | 6,197            | 6,197                        | —             | 20           | 20           |
| Turkey .....                | 1                    | 221           | —                      | 23,522           | 23,522                       | —             | 77           | 77           |
| United Arab Emirates .....  | 7                    | 383           | 0                      | 2,114            | 2,114                        | —             | 7            | 7            |
| United Kingdom .....        | 1                    | 147           | 0                      | 28,072           | 130,639                      | 337           | 92           | 430          |
| Venezuela .....             | —                    | 71            | 0                      | 94               | 94                           | —             | 0            | 0            |
| Other .....                 | 142                  | 733           | 37                     | 66,140           | 105,668                      | 132           | 220          | 350          |
| <b>Total .....</b>          | <b>4,678</b>         | <b>29,967</b> | <b>545</b>             | <b>1,808,980</b> | <b>2,883,910</b>             | <b>3,536</b>  | <b>5,951</b> | <b>9,487</b> |

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

<sup>2</sup> EIA is unable to report exports of renewable diesel fuel and other biofuels because of limitations of product classification information available in export data from the U.S. Census Bureau.

<sup>3</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: U.S. Census Bureau and EIA estimates.

**Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, October 2022**  
(Thousand Barrels per Day)

| Country of Origin                     | Crude Oil <sup>1</sup> | Natural Gas Liquids | Refinery Olefins <sup>2</sup> | Unfinished Oils | Finished Motor Gasoline |              |             | Motor Gasoline Blending Components |              |            |
|---------------------------------------|------------------------|---------------------|-------------------------------|-----------------|-------------------------|--------------|-------------|------------------------------------|--------------|------------|
|                                       |                        |                     |                               |                 | Reformulated            | Conventional | Total       | Reformulated                       | Conventional | Total      |
| <b>OPEC</b> .....                     | <b>928</b>             | <b>-6</b>           | <b>-</b>                      | <b>198</b>      | <b>-</b>                | <b>0</b>     | <b>0</b>    | <b>-</b>                           | <b>35</b>    | <b>35</b>  |
| Algeria .....                         | 21                     | -                   | -                             | 38              | -                       | -            | -           | -                                  | -            | -          |
| Angola .....                          | 66                     | -                   | -                             | 3               | -                       | -            | -           | -                                  | 7            | 7          |
| Congo (Brazzaville) .....             | 30                     | -                   | -                             | -               | -                       | -            | -           | -                                  | -            | -          |
| Equatorial Guinea .....               | -                      | -                   | -                             | -               | -                       | -            | -           | -                                  | -            | -          |
| Gabon .....                           | -                      | -                   | -                             | -               | -                       | -            | -           | -                                  | -            | -          |
| Iran .....                            | -                      | -                   | -                             | -               | -                       | -            | -           | -                                  | -            | -          |
| Iraq .....                            | 195                    | -                   | -                             | 100             | -                       | -            | -           | -                                  | -            | -          |
| Kuwait .....                          | 41                     | 0                   | -                             | -               | -                       | 0            | 0           | -                                  | -            | -          |
| Libya .....                           | 121                    | -                   | -                             | -               | -                       | 0            | 0           | -                                  | -            | -          |
| Nigeria .....                         | 41                     | -6                  | -                             | 1               | -                       | -            | -           | -                                  | 10           | 10         |
| Saudi Arabia .....                    | 414                    | -                   | -                             | 48              | -                       | -            | -           | -                                  | 18           | 18         |
| United Arab Emirates .....            | -                      | -                   | -                             | 8               | -                       | 0            | 0           | -                                  | -            | -          |
| Venezuela .....                       | -                      | 0                   | -                             | 0               | -                       | -            | -           | -                                  | -            | -          |
| <b>Non-OPEC</b> .....                 | <b>1,163</b>           | <b>-2,222</b>       | <b>9</b>                      | <b>156</b>      | <b>-</b>                | <b>-740</b>  | <b>-740</b> | <b>131</b>                         | <b>213</b>   | <b>344</b> |
| Argentina .....                       | 89                     | 2                   | -                             | 3               | -                       | -1           | -1          | -                                  | 9            | 9          |
| Aruba .....                           | -                      | -                   | -                             | 0               | -                       | -            | -           | -                                  | -            | -          |
| Australia .....                       | -                      | 0                   | -                             | 0               | -                       | -            | -           | 0                                  | 0            | 0          |
| Bahamas .....                         | -                      | 0                   | -                             | -               | -                       | -1           | -1          | 0                                  | -8           | -8         |
| Bahrain .....                         | -                      | -                   | -                             | -               | -                       | -            | -           | -                                  | -            | -          |
| Belgium .....                         | -                      | -23                 | -                             | 0               | -                       | -            | -           | -                                  | 1            | 1          |
| Brazil .....                          | 185                    | 0                   | -                             | 7               | -                       | -44          | -44         | -                                  | 2            | 2          |
| Brunei .....                          | -                      | -                   | -                             | -               | -                       | -            | -           | -                                  | -            | -          |
| Cameroon .....                        | -                      | 0                   | -                             | -               | -                       | -            | -           | -                                  | -            | -          |
| Canada .....                          | 3,362                  | -17                 | 8                             | -17             | -                       | -1           | -1          | 51                                 | 9            | 60         |
| Chad .....                            | -                      | -                   | -                             | -               | -                       | -            | -           | -                                  | -            | -          |
| China .....                           | -332                   | -427                | -                             | 0               | -                       | -            | -           | 0                                  | -            | 0          |
| Colombia .....                        | 202                    | -5                  | -                             | -41             | -                       | -48          | -48         | -                                  | -            | -          |
| Denmark .....                         | -85                    | -                   | -                             | -               | -                       | -            | -           | -                                  | 0            | 0          |
| Dominican Republic .....              | -32                    | -40                 | -                             | -               | -                       | -9           | -9          | 0                                  | -            | 0          |
| Ecuador .....                         | 113                    | -26                 | -                             | 19              | -                       | -10          | -10         | -                                  | -            | -          |
| Estonia .....                         | -                      | -                   | -                             | -               | -                       | -            | -           | -                                  | -            | -          |
| Finland .....                         | -                      | -25                 | -                             | 0               | -                       | -            | -           | -                                  | -            | -          |
| France .....                          | -67                    | -46                 | -                             | 0               | -                       | 4            | 4           | -                                  | -            | -          |
| Germany .....                         | -164                   | -                   | -                             | 0               | -                       | 0            | 0           | -                                  | 2            | 2          |
| Guatemala .....                       | 9                      | -                   | -                             | 0               | -                       | -51          | -51         | -                                  | -            | -          |
| Honduras .....                        | -                      | -12                 | -                             | 0               | -                       | -12          | -12         | -                                  | -            | -          |
| India .....                           | -509                   | -67                 | -                             | 18              | -                       | 3            | 3           | -                                  | 37           | 37         |
| Indonesia .....                       | -21                    | -82                 | -                             | 0               | -                       | -            | -           | -                                  | -            | -          |
| Italy .....                           | -187                   | -8                  | -                             | 5               | -                       | 8            | 8           | -                                  | 54           | 54         |
| Japan .....                           | -98                    | -444                | -                             | -16             | -                       | 0            | 0           | 0                                  | 5            | 5          |
| Korea, South .....                    | -430                   | -148                | -                             | 0               | -                       | 22           | 22          | 0                                  | 0            | 0          |
| Latvia .....                          | -                      | -                   | -                             | -               | -                       | -            | -           | -                                  | -            | -          |
| Lithuania .....                       | -                      | -                   | -                             | 4               | -                       | -            | -           | -                                  | -            | -          |
| Malaysia .....                        | -49                    | -                   | -                             | 53              | -                       | -            | -           | -                                  | 6            | 6          |
| Mexico .....                          | 681                    | -204                | -                             | 98              | -                       | -432         | -432        | 0                                  | -19          | -19        |
| Netherlands .....                     | -413                   | -105                | -                             | 15              | -                       | 2            | 2           | 19                                 | 1            | 20         |
| Norway .....                          | -17                    | -35                 | -                             | -2              | -                       | 4            | 4           | 15                                 | 11           | 25         |
| Oman .....                            | -                      | -                   | -                             | -               | -                       | -            | -           | -                                  | -            | -          |
| Panama .....                          | -45                    | -29                 | -                             | 0               | -                       | -17          | -17         | -                                  | -            | -          |
| Portugal .....                        | -24                    | -23                 | -                             | -               | -                       | -            | -           | -                                  | 36           | 36         |
| Puerto Rico .....                     | -                      | 0                   | -                             | 0               | -                       | 0            | 0           | -                                  | 0            | 0          |
| Qatar .....                           | -                      | -                   | -                             | -               | -                       | -            | -           | -                                  | -            | -          |
| Russia .....                          | -                      | -                   | -                             | -               | -                       | -            | -           | -                                  | -            | -          |
| Spain .....                           | -117                   | -76                 | -                             | 7               | -                       | -            | -           | 1                                  | 36           | 37         |
| Sweden .....                          | -34                    | -17                 | -                             | -               | -                       | -            | -           | -                                  | -            | -          |
| Trinidad and Tobago .....             | 17                     | 0                   | -                             | 0               | -                       | 0            | 0           | -                                  | -            | -          |
| United Kingdom .....                  | -333                   | -41                 | -                             | 12              | -                       | -3           | -3          | 46                                 | 21           | 67         |
| Vietnam .....                         | -                      | -                   | -                             | -               | -                       | -            | -           | -                                  | -            | -          |
| Virgin Islands, U.S. ....             | -                      | -4                  | -                             | -               | -                       | -            | -           | -                                  | -            | -          |
| Yemen .....                           | -                      | -                   | -                             | 0               | -                       | -            | -           | -                                  | -            | -          |
| Other .....                           | -538                   | -320                | 1                             | -9              | -                       | -154         | -154        | -1                                 | 10           | 10         |
| <b>Total</b> .....                    | <b>2,091</b>           | <b>-2,227</b>       | <b>9</b>                      | <b>354</b>      | <b>-</b>                | <b>-740</b>  | <b>-740</b> | <b>131</b>                         | <b>248</b>   | <b>379</b> |
| <b>Persian Gulf<sup>5</sup></b> ..... | <b>649</b>             | <b>0</b>            | <b>-</b>                      | <b>156</b>      | <b>-</b>                | <b>0</b>     | <b>0</b>    | <b>-</b>                           | <b>18</b>    | <b>18</b>  |

See footnotes at end of table.

**Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, October 2022**  
(Thousand Barrels per Day) — Continued

| Country of Origin                     | Biofuels     |           |                                    |                               | Distillate Fuel Oil     |                                       |                 |                       |       | Kerosene | Finished Aviation Gasoline |
|---------------------------------------|--------------|-----------|------------------------------------|-------------------------------|-------------------------|---------------------------------------|-----------------|-----------------------|-------|----------|----------------------------|
|                                       | Fuel Ethanol | Biodiesel | Renewable Diesel Fuel <sup>2</sup> | Other Biofuels <sup>2,3</sup> | 15 ppm sulfur and under | Greater than 15 ppm to 500 ppm sulfur | 501 to 2000 ppm | Greater than 2000 ppm | Total |          |                            |
| <b>OPEC</b> .....                     | -2           | -         | 0                                  | -                             | 0                       | -                                     | -               | -                     | 0     | 0        | -                          |
| Algeria .....                         | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Angola .....                          | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Congo (Brazzaville) .....             | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Equatorial Guinea .....               | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Gabon .....                           | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Iran .....                            | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Iraq .....                            | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Kuwait .....                          | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Libya .....                           | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Nigeria .....                         | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Saudi Arabia .....                    | -2           | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -     | -        | -                          |
| United Arab Emirates .....            | -            | -         | 0                                  | -                             | 0                       | -                                     | -               | -                     | 0     | 0        | -                          |
| Venezuela .....                       | 0            | -         | -                                  | -                             | 0                       | -                                     | -               | -                     | 0     | -        | -                          |
| <b>Non-OPEC</b> .....                 | -57          | 6         | 14                                 | -                             | -813                    | -72                                   | -94             | -                     | -979  | -4       | 1                          |
| Argentina .....                       | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Aruba .....                           | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -     | 0        | -                          |
| Australia .....                       | 0            | 0         | -                                  | -                             | -                       | -                                     | -               | -                     | -     | 0        | -                          |
| Bahamas .....                         | -            | -         | -                                  | -                             | -17                     | -6                                    | -8              | -                     | -31   | -        | -                          |
| Bahrain .....                         | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Belgium .....                         | 0            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Brazil .....                          | 6            | -         | -                                  | -                             | -92                     | -4                                    | -               | -                     | -97   | -        | -                          |
| Brunei .....                          | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Cameroon .....                        | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Canada .....                          | -34          | -4        | -                                  | -                             | 88                      | -2                                    | -4              | -                     | 81    | -3       | 0                          |
| Chad .....                            | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -     | -        | -                          |
| China .....                           | 0            | -         | -                                  | -                             | 0                       | -                                     | -               | -                     | 0     | -        | -                          |
| Colombia .....                        | -1           | -         | -                                  | -                             | -38                     | -                                     | -               | -                     | -38   | 0        | -                          |
| Denmark .....                         | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Dominican Republic .....              | 0            | -         | -                                  | -                             | -6                      | -                                     | -11             | -                     | -17   | 0        | -                          |
| Ecuador .....                         | 0            | -         | -                                  | -                             | -64                     | -18                                   | -               | -                     | -83   | -        | -                          |
| Estonia .....                         | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Finland .....                         | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -     | -        | -                          |
| France .....                          | 0            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Germany .....                         | -            | 9         | -                                  | -                             | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Guatemala .....                       | 0            | -         | -                                  | -                             | -20                     | -                                     | -5              | -                     | -25   | 0        | -                          |
| Honduras .....                        | -            | -         | -                                  | -                             | -15                     | -3                                    | -12             | -                     | -30   | 0        | -                          |
| India .....                           | -6           | -         | -                                  | -                             | 0                       | 0                                     | -               | -                     | 0     | -        | -                          |
| Indonesia .....                       | 0            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Italy .....                           | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Japan .....                           | 0            | -         | -                                  | -                             | 10                      | -                                     | -               | -                     | 10    | -        | -                          |
| Korea, South .....                    | -4           | -         | -                                  | -                             | 1                       | -                                     | -               | -                     | 1     | -        | -                          |
| Latvia .....                          | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Lithuania .....                       | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Malaysia .....                        | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Mexico .....                          | -5           | 0         | -                                  | -                             | -254                    | -                                     | 0               | -                     | -254  | 0        | -                          |
| Netherlands .....                     | -4           | -         | 1                                  | -                             | -                       | -                                     | -9              | -                     | -9    | 0        | 1                          |
| Norway .....                          | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Oman .....                            | 0            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Panama .....                          | -            | -         | -                                  | -                             | -35                     | -15                                   | -7              | -                     | -57   | 0        | -                          |
| Portugal .....                        | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Puerto Rico .....                     | 0            | -         | -                                  | -                             | -8                      | -                                     | -               | -                     | -8    | -        | -                          |
| Qatar .....                           | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Russia .....                          | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Spain .....                           | -1           | 2         | -                                  | -                             | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Sweden .....                          | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Trinidad and Tobago .....             | -            | -         | -                                  | -                             | 0                       | -                                     | -               | -                     | 0     | -        | -                          |
| United Kingdom .....                  | -3           | -         | -                                  | -                             | -39                     | -                                     | -               | -                     | -39   | -        | -                          |
| Vietnam .....                         | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Virgin Islands, U.S. ....             | 0            | -         | -                                  | -                             | -30                     | -                                     | -8              | -                     | -38   | -        | -                          |
| Yemen .....                           | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -     | -        | -                          |
| Other .....                           | -5           | -1        | 13                                 | -                             | -294                    | -24                                   | -30             | -                     | -345  | -1       | 0                          |
| <b>Total</b> .....                    | -58          | 6         | 15                                 | -                             | -813                    | -72                                   | -94             | -                     | -979  | -4       | 1                          |
| <b>Persian Gulf<sup>5</sup></b> ..... | -2           | -         | 0                                  | -                             | 0                       | -                                     | -               | -                     | 0     | 0        | -                          |

See footnotes at end of table.



**Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, October 2022**  
(Thousand Barrels per Day) — Continued

| Country of Origin                     | Aviation<br>Gasoline<br>Blending<br>Components | Kerosene-<br>Type Jet<br>Fuel | Special<br>Naphthas | Residual<br>Fuel Oil | Petrochemical<br>Feedstocks <sup>2</sup> |               | Waxes | Petroleum<br>Coke |
|---------------------------------------|------------------------------------------------|-------------------------------|---------------------|----------------------|------------------------------------------|---------------|-------|-------------------|
|                                       |                                                |                               |                     |                      | Naphtha                                  | Other<br>Oils |       |                   |
| <b>OPEC</b> .....                     | —                                              | 36                            | 1                   | 0                    | —                                        | —             | 0     | -15               |
| Algeria .....                         | —                                              | —                             | —                   | —                    | —                                        | —             | —     | —                 |
| Angola .....                          | —                                              | —                             | —                   | —                    | —                                        | —             | —     | —                 |
| Congo (Brazzaville) .....             | —                                              | —                             | —                   | —                    | —                                        | —             | —     | —                 |
| Equatorial Guinea .....               | —                                              | —                             | —                   | —                    | —                                        | —             | —     | —                 |
| Gabon .....                           | —                                              | —                             | —                   | —                    | —                                        | —             | —     | —                 |
| Iran .....                            | —                                              | —                             | —                   | —                    | —                                        | —             | —     | —                 |
| Iraq .....                            | —                                              | —                             | —                   | —                    | —                                        | —             | 0     | —                 |
| Kuwait .....                          | —                                              | 36                            | —                   | —                    | —                                        | —             | —     | —                 |
| Libya .....                           | —                                              | —                             | —                   | —                    | —                                        | —             | —     | —                 |
| Nigeria .....                         | —                                              | —                             | —                   | —                    | —                                        | —             | —     | —                 |
| Saudi Arabia .....                    | —                                              | —                             | 1                   | 0                    | —                                        | —             | 0     | —                 |
| United Arab Emirates .....            | —                                              | —                             | —                   | —                    | —                                        | —             | —     | -15               |
| Venezuela .....                       | —                                              | —                             | —                   | —                    | —                                        | —             | —     | —                 |
| <b>Non-OPEC</b> .....                 | —                                              | -69                           | 14                  | 108                  | 9                                        | 2             | 2     | -580              |
| Argentina .....                       | —                                              | -2                            | —                   | -12                  | —                                        | —             | 0     | —                 |
| Aruba .....                           | —                                              | —                             | —                   | —                    | —                                        | —             | —     | —                 |
| Australia .....                       | —                                              | —                             | —                   | —                    | —                                        | —             | 0     | -5                |
| Bahamas .....                         | —                                              | -2                            | —                   | —                    | —                                        | —             | —     | —                 |
| Bahrain .....                         | —                                              | —                             | —                   | 4                    | —                                        | —             | —     | —                 |
| Belgium .....                         | —                                              | 0                             | —                   | 12                   | —                                        | —             | —     | -9                |
| Brazil .....                          | —                                              | -10                           | —                   | 12                   | —                                        | —             | 0     | -40               |
| Brunei .....                          | —                                              | —                             | —                   | —                    | —                                        | —             | —     | —                 |
| Cameroon .....                        | —                                              | —                             | —                   | —                    | —                                        | —             | —     | —                 |
| Canada .....                          | —                                              | -33                           | 3                   | 3                    | 4                                        | 1             | -1    | -25               |
| Chad .....                            | —                                              | —                             | —                   | —                    | —                                        | —             | —     | —                 |
| China .....                           | —                                              | 8                             | —                   | 0                    | —                                        | —             | 2     | -151              |
| Colombia .....                        | —                                              | -8                            | —                   | 29                   | —                                        | —             | 0     | 2                 |
| Denmark .....                         | —                                              | —                             | —                   | —                    | —                                        | —             | 0     | —                 |
| Dominican Republic .....              | —                                              | -4                            | —                   | -6                   | —                                        | —             | 0     | -13               |
| Ecuador .....                         | —                                              | —                             | —                   | 4                    | —                                        | —             | 0     | —                 |
| Estonia .....                         | —                                              | —                             | —                   | —                    | —                                        | —             | —     | —                 |
| Finland .....                         | —                                              | —                             | —                   | —                    | —                                        | —             | —     | —                 |
| France .....                          | —                                              | —                             | —                   | —                    | —                                        | 1             | 0     | -1                |
| Germany .....                         | —                                              | —                             | 0                   | 2                    | —                                        | —             | 0     | 0                 |
| Guatemala .....                       | —                                              | -2                            | —                   | -1                   | —                                        | —             | —     | -21               |
| Honduras .....                        | —                                              | -2                            | —                   | -9                   | —                                        | —             | —     | -8                |
| India .....                           | —                                              | 16                            | —                   | -1                   | —                                        | —             | 0     | -115              |
| Indonesia .....                       | —                                              | —                             | —                   | —                    | —                                        | —             | 0     | —                 |
| Italy .....                           | —                                              | —                             | —                   | —                    | —                                        | —             | 0     | -19               |
| Japan .....                           | —                                              | 18                            | —                   | 0                    | 1                                        | —             | 1     | -22               |
| Korea, South .....                    | —                                              | 37                            | 9                   | -17                  | —                                        | —             | 0     | -8                |
| Latvia .....                          | —                                              | —                             | —                   | —                    | —                                        | —             | —     | —                 |
| Lithuania .....                       | —                                              | —                             | —                   | —                    | —                                        | —             | —     | —                 |
| Malaysia .....                        | —                                              | —                             | —                   | 12                   | —                                        | —             | 1     | —                 |
| Mexico .....                          | —                                              | -29                           | —                   | 55                   | 3                                        | —             | 0     | -33               |
| Netherlands .....                     | —                                              | -8                            | 1                   | -6                   | 0                                        | —             | 0     | 0                 |
| Norway .....                          | —                                              | —                             | —                   | —                    | —                                        | —             | —     | -3                |
| Oman .....                            | —                                              | 0                             | —                   | —                    | —                                        | —             | —     | -2                |
| Panama .....                          | —                                              | -11                           | —                   | -17                  | —                                        | —             | —     | —                 |
| Portugal .....                        | —                                              | —                             | —                   | —                    | —                                        | —             | —     | —                 |
| Puerto Rico .....                     | —                                              | —                             | —                   | —                    | —                                        | —             | 0     | —                 |
| Qatar .....                           | —                                              | —                             | —                   | —                    | —                                        | —             | —     | —                 |
| Russia .....                          | —                                              | —                             | —                   | —                    | —                                        | —             | —     | —                 |
| Spain .....                           | —                                              | —                             | 1                   | —                    | —                                        | —             | —     | -35               |
| Sweden .....                          | —                                              | —                             | —                   | 3                    | —                                        | —             | —     | —                 |
| Trinidad and Tobago .....             | —                                              | -4                            | —                   | -1                   | —                                        | —             | 0     | —                 |
| United Kingdom .....                  | —                                              | -1                            | —                   | 0                    | 0                                        | —             | 0     | -3                |
| Vietnam .....                         | —                                              | 0                             | —                   | —                    | —                                        | —             | 0     | —                 |
| Virgin Islands, U.S. ....             | —                                              | -3                            | —                   | —                    | —                                        | —             | —     | —                 |
| Yemen .....                           | —                                              | —                             | —                   | —                    | —                                        | —             | —     | —                 |
| Other .....                           | —                                              | -29                           | 0                   | 42                   | 1                                        | 0             | -1    | -69               |
| <b>Total</b> .....                    | —                                              | -33                           | 15                  | 108                  | 9                                        | 2             | 2     | -595              |
| <b>Persian Gulf<sup>5</sup></b> ..... | —                                              | 36                            | 1                   | 4                    | —                                        | —             | 0     | -15               |

See footnotes at end of table.

**Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, October 2022**  
(Thousand Barrels per Day) — Continued

| Country of Origin                     | Asphalt and Road Oil | Lubricants | Miscellaneous Products | Total Products <sup>4</sup> | Total Crude Oil and Products <sup>4</sup> |
|---------------------------------------|----------------------|------------|------------------------|-----------------------------|-------------------------------------------|
| <b>OPEC</b> .....                     | <b>0</b>             | <b>5</b>   | <b>0</b>               | <b>252</b>                  | <b>1,180</b>                              |
| Algeria .....                         | —                    | —          | —                      | 38                          | 59                                        |
| Angola .....                          | —                    | —          | —                      | 10                          | 76                                        |
| Congo (Brazzaville) .....             | —                    | —          | —                      | —                           | 30                                        |
| Equatorial Guinea .....               | —                    | 0          | —                      | 0                           | 0                                         |
| Gabon .....                           | —                    | 0          | —                      | 0                           | 0                                         |
| Iran .....                            | —                    | —          | —                      | —                           | —                                         |
| Iraq .....                            | —                    | 0          | —                      | 100                         | 295                                       |
| Kuwait .....                          | —                    | 0          | —                      | 36                          | 76                                        |
| Libya .....                           | —                    | 0          | —                      | 0                           | 121                                       |
| Nigeria .....                         | —                    | 0          | —                      | 5                           | 46                                        |
| Saudi Arabia .....                    | —                    | 0          | 0                      | 64                          | 478                                       |
| United Arab Emirates .....            | 0                    | 6          | 0                      | -1                          | -1                                        |
| Venezuela .....                       | —                    | 0          | —                      | -1                          | -1                                        |
| <b>Non-OPEC</b> .....                 | <b>39</b>            | <b>-27</b> | <b>-2</b>              | <b>-3,972</b>               | <b>-2,809</b>                             |
| Argentina .....                       | -1                   | -1         | 0                      | -2                          | 87                                        |
| Aruba .....                           | —                    | 0          | —                      | 0                           | 0                                         |
| Australia .....                       | 0                    | 0          | 0                      | -5                          | -5                                        |
| Bahamas .....                         | 0                    | 0          | 0                      | -43                         | -43                                       |
| Bahrain .....                         | —                    | 1          | —                      | 5                           | 5                                         |
| Belgium .....                         | —                    | -14        | 0                      | -33                         | -33                                       |
| Brazil .....                          | —                    | -7         | 0                      | -171                        | 14                                        |
| Brunei .....                          | —                    | 0          | —                      | 0                           | 0                                         |
| Cameroon .....                        | —                    | 0          | —                      | 0                           | 0                                         |
| Canada .....                          | 38                   | 1          | 0                      | 65                          | 3,427                                     |
| Chad .....                            | —                    | —          | —                      | —                           | —                                         |
| China .....                           | 0                    | 0          | 0                      | -569                        | -901                                      |
| Colombia .....                        | 0                    | -3         | 0                      | -114                        | 88                                        |
| Denmark .....                         | —                    | 0          | —                      | 0                           | -84                                       |
| Dominican Republic .....              | -1                   | -1         | 0                      | -91                         | -123                                      |
| Ecuador .....                         | 0                    | -1         | —                      | -96                         | 17                                        |
| Estonia .....                         | —                    | 0          | —                      | 0                           | 0                                         |
| Finland .....                         | —                    | -16        | —                      | -41                         | -41                                       |
| France .....                          | —                    | -3         | —                      | -45                         | -112                                      |
| Germany .....                         | 0                    | 0          | —                      | 14                          | -150                                      |
| Guatemala .....                       | —                    | 0          | —                      | -100                        | -91                                       |
| Honduras .....                        | —                    | 0          | 0                      | -74                         | -74                                       |
| India .....                           | 0                    | 0          | 0                      | -116                        | -626                                      |
| Indonesia .....                       | 0                    | 5          | 0                      | -77                         | -98                                       |
| Italy .....                           | —                    | 2          | —                      | 41                          | -147                                      |
| Japan .....                           | 0                    | 0          | 0                      | -449                        | -547                                      |
| Korea, South .....                    | 0                    | 21         | 0                      | -87                         | -517                                      |
| Latvia .....                          | —                    | 0          | —                      | 0                           | 0                                         |
| Lithuania .....                       | —                    | 0          | 0                      | 4                           | 4                                         |
| Malaysia .....                        | 0                    | 0          | 0                      | 72                          | 23                                        |
| Mexico .....                          | -2                   | -20        | -1                     | -842                        | -161                                      |
| Netherlands .....                     | 0                    | 4          | 0                      | -89                         | -502                                      |
| Norway .....                          | —                    | 0          | 0                      | -10                         | -27                                       |
| Oman .....                            | —                    | 0          | —                      | -2                          | -2                                        |
| Panama .....                          | —                    | -1         | —                      | -131                        | -177                                      |
| Portugal .....                        | —                    | 0          | —                      | 13                          | -11                                       |
| Puerto Rico .....                     | 0                    | 0          | —                      | -9                          | -9                                        |
| Qatar .....                           | —                    | 18         | —                      | 18                          | 18                                        |
| Russia .....                          | —                    | —          | —                      | —                           | —                                         |
| Spain .....                           | —                    | 0          | —                      | -64                         | -181                                      |
| Sweden .....                          | —                    | 0          | —                      | -14                         | -48                                       |
| Trinidad and Tobago .....             | —                    | 0          | —                      | -6                          | 11                                        |
| United Kingdom .....                  | 0                    | 0          | —                      | -9                          | -342                                      |
| Vietnam .....                         | —                    | 0          | 0                      | 0                           | 0                                         |
| Virgin Islands, U.S. ....             | 0                    | 0          | —                      | -44                         | -44                                       |
| Yemen .....                           | —                    | 0          | —                      | 0                           | 0                                         |
| Other .....                           | 5                    | -12        | -1                     | -871                        | -1,407                                    |
| <b>Total</b> .....                    | <b>39</b>            | <b>-22</b> | <b>-2</b>              | <b>-3,720</b>               | <b>-1,629</b>                             |
| <b>Persian Gulf<sup>5</sup></b> ..... | <b>0</b>             | <b>24</b>  | <b>0</b>               | <b>223</b>                  | <b>872</b>                                |

— = Not Applicable.

— = No Data Reported.

1 On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

2 Quantities are gross imports because exports are excluded from EIA data.

3 Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

4 Includes gross imports of refinery olefins, renewable diesel, other biofuels, and petrochemical feedstocks. See footnote 2.

5 Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: U.S. Census Bureau and EIA estimates.

**Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-October 2022**  
(Thousand Barrels per Day)

| Country of Origin                     | Crude Oil <sup>1</sup> | Natural Gas Liquids | Refinery Olefins <sup>2</sup> | Unfinished Oils | Finished Motor Gasoline |              |             | Motor Gasoline Blending Components |              |            |
|---------------------------------------|------------------------|---------------------|-------------------------------|-----------------|-------------------------|--------------|-------------|------------------------------------|--------------|------------|
|                                       |                        |                     |                               |                 | Reformulated            | Conventional | Total       | Reformulated                       | Conventional | Total      |
| <b>OPEC</b> .....                     | <b>963</b>             | <b>-7</b>           | <b>-</b>                      | <b>180</b>      | <b>-</b>                | <b>-4</b>    | <b>-4</b>   | <b>5</b>                           | <b>34</b>    | <b>38</b>  |
| Algeria .....                         | 11                     | 2                   | -                             | 36              | -                       | 0            | 0           | 0                                  | 1            | 1          |
| Angola .....                          | 48                     | 0                   | -                             | 1               | -                       | 0            | 0           | -                                  | 3            | 3          |
| Congo (Brazzaville) .....             | 6                      | -                   | -                             | -               | -                       | -            | -           | -                                  | -            | -          |
| Equatorial Guinea .....               | -                      | 3                   | -                             | -               | -                       | -            | -           | -                                  | -            | -          |
| Gabon .....                           | 2                      | -                   | -                             | -               | -                       | -            | -           | -                                  | -            | -          |
| Iran .....                            | 2                      | -                   | -                             | -               | -                       | -            | -           | -                                  | -            | -          |
| Iraq .....                            | 239                    | -                   | -                             | 62              | -                       | 0            | 0           | -                                  | -            | -          |
| Kuwait .....                          | 23                     | 0                   | -                             | 8               | -                       | 0            | 0           | 0                                  | 0            | 0          |
| Libya .....                           | 77                     | -                   | -                             | 0               | -                       | 0            | 0           | -                                  | -            | -          |
| Nigeria .....                         | 88                     | -11                 | -                             | 2               | -                       | -6           | -6          | -                                  | 7            | 7          |
| Saudi Arabia .....                    | 453                    | 0                   | -                             | 50              | -                       | 2            | 2           | 3                                  | 22           | 25         |
| United Arab Emirates .....            | 14                     | 0                   | -                             | 20              | -                       | 0            | 0           | 1                                  | 1            | 2          |
| Venezuela .....                       | -                      | 0                   | -                             | 0               | -                       | 0            | 0           | 0                                  | 0            | 0          |
| <b>Non-OPEC</b> .....                 | <b>1,812</b>           | <b>-2,213</b>       | <b>15</b>                     | <b>44</b>       | <b>-</b>                | <b>-763</b>  | <b>-763</b> | <b>152</b>                         | <b>290</b>   | <b>442</b> |
| Argentina .....                       | 59                     | -1                  | -                             | -5              | -                       | -3           | -3          | -                                  | 7            | 7          |
| Aruba .....                           | -                      | 0                   | -                             | 0               | -                       | -1           | -1          | -                                  | 0            | 0          |
| Australia .....                       | -24                    | -9                  | -                             | 0               | -                       | 0            | 0           | 0                                  | 0            | 0          |
| Bahamas .....                         | -4                     | -1                  | -                             | -1              | -                       | -1           | -1          | 0                                  | 5            | 5          |
| Bahrain .....                         | -                      | -                   | -                             | 0               | -                       | 0            | 0           | 0                                  | -            | 0          |
| Belgium .....                         | -3                     | -51                 | -                             | -7              | -                       | 11           | 11          | 2                                  | 5            | 7          |
| Brazil .....                          | 75                     | -44                 | -                             | -44             | -                       | -37          | -37         | -                                  | 8            | 8          |
| Brunei .....                          | -                      | -                   | -                             | -               | -                       | -            | -           | -                                  | 1            | 1          |
| Cameroon .....                        | -                      | 0                   | -                             | -               | -                       | -            | -           | -                                  | -            | -          |
| Canada .....                          | 3,492                  | -95                 | 15                            | -48             | -                       | -8           | -8          | 64                                 | 20           | 85         |
| Chad .....                            | -                      | -                   | -                             | -               | -                       | -            | -           | -                                  | -            | -          |
| China .....                           | -220                   | -298                | -                             | 0               | -                       | 0            | 0           | 0                                  | 0            | 0          |
| Colombia .....                        | 199                    | -3                  | -                             | -34             | -                       | -39          | -39         | -                                  | 0            | 0          |
| Denmark .....                         | -47                    | -                   | -                             | -1              | -                       | 0            | 0           | 0                                  | 1            | 1          |
| Dominican Republic .....              | -21                    | -41                 | -                             | 0               | -                       | -14          | -14         | 0                                  | -1           | -1         |
| Ecuador .....                         | 141                    | -35                 | -                             | 8               | -                       | -15          | -15         | -                                  | 0            | 0          |
| Estonia .....                         | -                      | -                   | -                             | -               | -                       | 0            | 0           | -                                  | 0            | 0          |
| Finland .....                         | -8                     | -21                 | -                             | -1              | -                       | 0            | 0           | -                                  | 16           | 16         |
| France .....                          | -161                   | -24                 | -                             | 4               | -                       | 4            | 4           | 4                                  | 9            | 13         |
| Germany .....                         | -115                   | -1                  | -                             | 0               | -                       | 1            | 1           | 0                                  | 2            | 2          |
| Guatemala .....                       | 3                      | -9                  | -                             | 0               | -                       | -43          | -43         | 0                                  | 0            | 0          |
| Honduras .....                        | -                      | -17                 | -                             | 0               | -                       | -16          | -16         | -                                  | 0            | 0          |
| India .....                           | -306                   | -112                | -                             | 5               | -                       | 1            | 1           | 2                                  | 62           | 64         |
| Indonesia .....                       | -3                     | -82                 | -                             | 0               | -                       | -            | -           | -                                  | -            | -          |
| Italy .....                           | -169                   | -3                  | -                             | 8               | -                       | 6            | 6           | 1                                  | 22           | 22         |
| Japan .....                           | -36                    | -391                | -                             | -11             | -                       | 1            | 1           | 0                                  | 5            | 5          |
| Korea, South .....                    | -356                   | -141                | -                             | -2              | -                       | 13           | 13          | 0                                  | 15           | 15         |
| Latvia .....                          | -                      | -                   | -                             | 0               | -                       | -            | -           | -                                  | -            | -          |
| Lithuania .....                       | -5                     | -                   | -                             | 0               | -                       | 4            | 4           | -                                  | 2            | 2          |
| Malaysia .....                        | -11                    | 0                   | -                             | 16              | -                       | 0            | 0           | -                                  | 2            | 2          |
| Mexico .....                          | 657                    | -203                | 0                             | 55              | -                       | -485         | -485        | 0                                  | -22          | -22        |
| Netherlands .....                     | -349                   | -85                 | -                             | -26             | -                       | 10           | 10          | 31                                 | 18           | 49         |
| Norway .....                          | 8                      | -36                 | -                             | -3              | -                       | 4            | 4           | 6                                  | 9            | 15         |
| Oman .....                            | -                      | 0                   | -                             | 1               | -                       | -            | -           | -                                  | 1            | 1          |
| Panama .....                          | -8                     | -8                  | -                             | 0               | -                       | -22          | -22         | 0                                  | -1           | -1         |
| Portugal .....                        | -14                    | -23                 | -                             | -               | -                       | 1            | 1           | 0                                  | 23           | 23         |
| Puerto Rico .....                     | -                      | 0                   | -                             | 0               | -                       | -1           | -1          | 0                                  | 0            | 0          |
| Qatar .....                           | -                      | 0                   | -                             | 2               | -                       | 0            | 0           | 0                                  | 0            | 0          |
| Russia .....                          | 24                     | 0                   | -                             | 118             | -                       | 1            | 1           | -                                  | 8            | 8          |
| Spain .....                           | -161                   | -38                 | -                             | 3               | -                       | 1            | 1           | 1                                  | 27           | 28         |
| Sweden .....                          | -35                    | -39                 | -                             | -1              | -                       | 1            | 1           | 0                                  | 5            | 5          |
| Trinidad and Tobago .....             | 41                     | 1                   | -                             | 0               | -                       | -3           | -3          | -                                  | -            | -          |
| United Kingdom .....                  | -298                   | -47                 | -                             | 1               | -                       | 2            | 2           | 39                                 | 16           | 54         |
| Vietnam .....                         | -6                     | -8                  | -                             | 0               | -                       | -            | -           | -                                  | 0            | 0          |
| Virgin Islands, U.S. ....             | -                      | -1                  | -                             | 0               | -                       | -3           | -3          | 0                                  | 0            | 0          |
| Yemen .....                           | -                      | -                   | -                             | 0               | -                       | -            | -           | -                                  | -            | -          |
| Other .....                           | -527                   | -347                | 0                             | 7               | -                       | -133         | -133        | 2                                  | 25           | 28         |
| <b>Total</b> .....                    | <b>2,775</b>           | <b>-2,220</b>       | <b>15</b>                     | <b>224</b>      | <b>-</b>                | <b>-767</b>  | <b>-767</b> | <b>157</b>                         | <b>324</b>   | <b>480</b> |
| <b>Persian Gulf<sup>5</sup></b> ..... | <b>731</b>             | <b>0</b>            | <b>-</b>                      | <b>142</b>      | <b>-</b>                | <b>2</b>     | <b>2</b>    | <b>5</b>                           | <b>23</b>    | <b>27</b>  |

See footnotes at end of table.

**Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-October 2022**  
(Thousand Barrels per Day) — Continued

| Country of Origin               | Biofuels     |           |                                    |                               | Distillate Fuel Oil     |                                       |                 |                       |        | Kerosene | Finished Aviation Gasoline |
|---------------------------------|--------------|-----------|------------------------------------|-------------------------------|-------------------------|---------------------------------------|-----------------|-----------------------|--------|----------|----------------------------|
|                                 | Fuel Ethanol | Biodiesel | Renewable Diesel Fuel <sup>2</sup> | Other Biofuels <sup>2,3</sup> | 15 ppm sulfur and under | Greater than 15 ppm to 500 ppm sulfur | 501 to 2000 ppm | Greater than 2000 ppm | Total  |          |                            |
| <b>OPEC</b>                     | -5           | 0         | 0                                  | -                             | 10                      | 0                                     | -               | -                     | 10     | 0        | -                          |
| Algeria                         | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -      | -        | -                          |
| Angola                          | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -      | -        | -                          |
| Congo (Brazzaville)             | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -      | -        | -                          |
| Equatorial Guinea               | -            | -         | -                                  | -                             | 0                       | -                                     | -               | -                     | 0      | -        | -                          |
| Gabon                           | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -      | -        | -                          |
| Iran                            | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -      | -        | -                          |
| Iraq                            | -            | -         | -                                  | -                             | 0                       | -                                     | -               | -                     | 0      | -        | -                          |
| Kuwait                          | 0            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -      | -        | -                          |
| Libya                           | 0            | -         | -                                  | -                             | 0                       | -                                     | -               | -                     | 0      | -        | -                          |
| Nigeria                         | -2           | -         | -                                  | -                             | 2                       | 0                                     | -               | -                     | 2      | 0        | -                          |
| Saudi Arabia                    | -1           | 0         | -                                  | -                             | 8                       | -                                     | -               | -                     | 8      | 0        | -                          |
| United Arab Emirates            | -1           | 0         | 0                                  | -                             | 0                       | -                                     | -               | -                     | 0      | 0        | -                          |
| Venezuela                       | 0            | -         | -                                  | -                             | 0                       | -                                     | -               | -                     | 0      | -        | -                          |
| <b>Non-OPEC</b>                 | -85          | -7        | 16                                 | 0                             | -903                    | -84                                   | -96             | 1                     | -1,083 | -7       | 1                          |
| Argentina                       | 0            | 0         | -                                  | -                             | -47                     | -2                                    | -7              | -                     | -56    | 0        | -                          |
| Aruba                           | 0            | -         | -                                  | -                             | -1                      | -                                     | 0               | -                     | -1     | 0        | -                          |
| Australia                       | 0            | 0         | -                                  | -                             | 0                       | -                                     | 0               | -                     | 0      | 0        | -                          |
| Bahamas                         | 0            | 0         | -                                  | -                             | -15                     | -2                                    | -8              | -                     | -25    | 0        | -                          |
| Bahrain                         | 0            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -      | 0        | -                          |
| Belgium                         | 0            | 0         | -                                  | -                             | -3                      | -                                     | -1              | -                     | -5     | -        | -                          |
| Brazil                          | -1           | -         | -                                  | -                             | -138                    | -6                                    | -5              | -                     | -150   | -2       | -                          |
| Brunei                          | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -      | -        | -                          |
| Cameroon                        | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -      | -        | -                          |
| Canada                          | -32          | -5        | -                                  | -                             | 127                     | -6                                    | -5              | -                     | 116    | -1       | 0                          |
| Chad                            | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -      | -        | -                          |
| China                           | 0            | 0         | -                                  | -                             | -2                      | 0                                     | 0               | -                     | -2     | 0        | -                          |
| Colombia                        | -1           | -         | -                                  | -                             | -31                     | 0                                     | -               | -                     | -31    | 0        | -                          |
| Denmark                         | -            | -         | -                                  | -                             | -2                      | -                                     | -               | -                     | -2     | -        | -                          |
| Dominican Republic              | 0            | -         | -                                  | -                             | -9                      | 0                                     | -10             | -                     | -19    | 0        | -                          |
| Ecuador                         | 0            | -         | -                                  | -                             | -37                     | -5                                    | -1              | 1                     | -43    | 0        | -                          |
| Estonia                         | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -      | -        | 0                          |
| Finland                         | 0            | -         | -                                  | 0                             | -                       | -                                     | -               | -                     | -      | -        | -                          |
| France                          | 0            | -         | -                                  | -                             | -5                      | -1                                    | -               | -                     | -6     | 0        | -                          |
| Germany                         | 0            | 3         | -                                  | -                             | 0                       | -                                     | -               | -                     | 0      | -        | -                          |
| Guatemala                       | 0            | -         | -                                  | -                             | -22                     | -9                                    | -5              | -                     | -36    | 0        | -                          |
| Honduras                        | 0            | -         | -                                  | -                             | -10                     | -10                                   | -4              | -                     | -24    | 0        | -                          |
| India                           | -7           | 0         | -                                  | -                             | -1                      | 0                                     | -               | -                     | -1     | -        | -                          |
| Indonesia                       | 0            | 0         | -                                  | -                             | 0                       | -                                     | -               | -                     | 0      | -        | -                          |
| Italy                           | 0            | 0         | -                                  | -                             | -                       | -                                     | -               | -                     | -      | -        | -                          |
| Japan                           | 0            | -         | -                                  | 0                             | 1                       | -                                     | -               | -                     | 1      | 0        | -                          |
| Korea, South                    | -11          | 1         | -                                  | -                             | 3                       | 4                                     | -               | -                     | 7      | 0        | 0                          |
| Latvia                          | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -      | -        | -                          |
| Lithuania                       | 0            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -      | -        | -                          |
| Malaysia                        | 0            | 0         | -                                  | 0                             | 0                       | -                                     | -               | -                     | 0      | 0        | -                          |
| Mexico                          | -5           | 0         | -                                  | -                             | -292                    | -3                                    | -2              | -                     | -297   | 0        | -                          |
| Netherlands                     | -7           | -1        | 0                                  | -                             | -12                     | -2                                    | -5              | -                     | -19    | 0        | 1                          |
| Norway                          | 0            | 0         | -                                  | -                             | -1                      | -                                     | -               | -                     | -1     | -        | -                          |
| Oman                            | -1           | -         | -                                  | -                             | 0                       | -                                     | -               | -                     | 0      | -        | -                          |
| Panama                          | 0            | -         | -                                  | -                             | -54                     | -7                                    | -8              | -                     | -70    | 0        | -                          |
| Portugal                        | -            | -         | -                                  | -                             | 1                       | -                                     | -               | -                     | 1      | -        | -                          |
| Puerto Rico                     | 0            | -         | -                                  | -                             | -5                      | 0                                     | 0               | -                     | -5     | 0        | -                          |
| Qatar                           | 0            | -         | -                                  | -                             | 10                      | -                                     | -               | -                     | 10     | -        | -                          |
| Russia                          | -            | -         | -                                  | -                             | 7                       | -                                     | 0               | -                     | 7      | -        | -                          |
| Spain                           | 0            | 2         | -                                  | -                             | -2                      | -                                     | -               | -                     | -2     | 0        | -                          |
| Sweden                          | -1           | -         | -                                  | -                             | -1                      | -1                                    | -               | -                     | -2     | -        | -                          |
| Trinidad and Tobago             | 0            | -         | -                                  | -                             | -6                      | -                                     | -8              | -                     | -14    | -        | -                          |
| United Kingdom                  | -5           | 0         | -                                  | -                             | -28                     | -2                                    | -               | -                     | -30    | -1       | -                          |
| Vietnam                         | -            | -         | -                                  | -                             | 0                       | -                                     | -               | -                     | 0      | -        | -                          |
| Virgin Islands, U.S.            | 0            | -         | -                                  | -                             | -14                     | -2                                    | -5              | -                     | -20    | 0        | -                          |
| Yemen                           | -            | -         | -                                  | -                             | -                       | -                                     | -               | -                     | -      | -        | -                          |
| Other                           | -14          | -7        | 16                                 | 0                             | -314                    | -30                                   | -22             | 0                     | -364   | -3       | 0                          |
| <b>Total</b>                    | -90          | -7        | 16                                 | 0                             | -892                    | -85                                   | -96             | 1                     | -1,073 | -7       | 1                          |
| <b>Persian Gulf<sup>5</sup></b> | -3           | 0         | 0                                  | -                             | 18                      | -                                     | -               | -                     | 18     | 0        | -                          |

See footnotes at end of table.

**Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-October 2022**  
(Thousand Barrels per Day) — Continued

| Country of Origin                     | Aviation<br>Gasoline<br>Blending<br>Components | Kerosene-<br>Type Jet<br>Fuel | Special<br>Naphthas | Residual<br>Fuel Oil | Petrochemical<br>Feedstocks <sup>2</sup> |               | Waxes | Petroleum<br>Coke |
|---------------------------------------|------------------------------------------------|-------------------------------|---------------------|----------------------|------------------------------------------|---------------|-------|-------------------|
|                                       |                                                |                               |                     |                      | Naphtha                                  | Other<br>Oils |       |                   |
| <b>OPEC</b> .....                     | —                                              | 10                            | 0                   | 12                   | 0                                        | —             | 0     | -6                |
| Algeria .....                         | —                                              | —                             | —                   | 4                    | —                                        | —             | —     | 0                 |
| Angola .....                          | —                                              | —                             | —                   | —                    | 0                                        | —             | —     | —                 |
| Congo (Brazzaville) .....             | —                                              | —                             | —                   | —                    | —                                        | —             | —     | —                 |
| Equatorial Guinea .....               | —                                              | 0                             | —                   | 0                    | —                                        | —             | —     | —                 |
| Gabon .....                           | —                                              | —                             | —                   | —                    | —                                        | —             | —     | —                 |
| Iran .....                            | —                                              | —                             | —                   | —                    | —                                        | —             | —     | —                 |
| Iraq .....                            | —                                              | —                             | —                   | 2                    | —                                        | —             | 0     | —                 |
| Kuwait .....                          | —                                              | 8                             | —                   | —                    | —                                        | —             | 0     | 0                 |
| Libya .....                           | —                                              | —                             | —                   | —                    | —                                        | —             | —     | —                 |
| Nigeria .....                         | —                                              | 0                             | —                   | —                    | —                                        | —             | 0     | -1                |
| Saudi Arabia .....                    | —                                              | 1                             | 0                   | 6                    | —                                        | —             | 0     | 0                 |
| United Arab Emirates .....            | —                                              | 1                             | —                   | 0                    | —                                        | —             | 0     | -4                |
| Venezuela .....                       | —                                              | 0                             | —                   | —                    | —                                        | —             | 0     | —                 |
| <b>Non-OPEC</b> .....                 | —                                              | -75                           | 14                  | 103                  | 12                                       | 3             | 1     | -548              |
| Argentina .....                       | —                                              | -1                            | —                   | -1                   | —                                        | 0             | 0     | 1                 |
| Aruba .....                           | —                                              | -1                            | —                   | —                    | —                                        | —             | —     | —                 |
| Australia .....                       | —                                              | 0                             | —                   | 0                    | —                                        | —             | 0     | -7                |
| Bahamas .....                         | —                                              | -4                            | —                   | -12                  | —                                        | —             | —     | —                 |
| Bahrain .....                         | —                                              | —                             | —                   | 0                    | —                                        | —             | 0     | —                 |
| Belgium .....                         | —                                              | 0                             | —                   | 3                    | —                                        | —             | 0     | -4                |
| Brazil .....                          | —                                              | -6                            | —                   | 18                   | —                                        | —             | 0     | -49               |
| Brunei .....                          | —                                              | —                             | —                   | —                    | —                                        | —             | —     | —                 |
| Cameroon .....                        | —                                              | —                             | —                   | 0                    | —                                        | —             | —     | 0                 |
| Canada .....                          | —                                              | -17                           | 4                   | 8                    | 3                                        | 2             | 0     | -19               |
| Chad .....                            | —                                              | —                             | —                   | —                    | —                                        | —             | —     | —                 |
| China .....                           | —                                              | 5                             | —                   | 0                    | —                                        | —             | 1     | -99               |
| Colombia .....                        | —                                              | -3                            | —                   | 14                   | —                                        | —             | 0     | 0                 |
| Denmark .....                         | —                                              | —                             | —                   | 1                    | —                                        | —             | 0     | -1                |
| Dominican Republic .....              | —                                              | -7                            | —                   | -3                   | —                                        | —             | 0     | -6                |
| Ecuador .....                         | —                                              | 0                             | —                   | 4                    | —                                        | —             | 0     | -4                |
| Estonia .....                         | —                                              | —                             | —                   | —                    | —                                        | —             | 0     | —                 |
| Finland .....                         | —                                              | —                             | —                   | —                    | —                                        | —             | 0     | -1                |
| France .....                          | —                                              | —                             | —                   | 0                    | 0                                        | 0             | 0     | -3                |
| Germany .....                         | —                                              | —                             | 0                   | 2                    | —                                        | —             | 0     | -1                |
| Guatemala .....                       | —                                              | -2                            | —                   | 0                    | —                                        | —             | 0     | -12               |
| Honduras .....                        | —                                              | -2                            | —                   | -1                   | —                                        | —             | 0     | -7                |
| India .....                           | —                                              | 4                             | —                   | 0                    | —                                        | —             | 0     | -63               |
| Indonesia .....                       | —                                              | —                             | —                   | —                    | —                                        | —             | 0     | 0                 |
| Italy .....                           | —                                              | —                             | —                   | 1                    | —                                        | —             | 0     | -19               |
| Japan .....                           | —                                              | 19                            | 1                   | 0                    | 1                                        | —             | 0     | -50               |
| Korea, South .....                    | —                                              | 59                            | 9                   | -9                   | 1                                        | —             | 0     | -1                |
| Latvia .....                          | —                                              | 0                             | —                   | —                    | —                                        | —             | —     | —                 |
| Lithuania .....                       | —                                              | —                             | —                   | 4                    | —                                        | —             | 0     | —                 |
| Malaysia .....                        | —                                              | —                             | —                   | 2                    | —                                        | —             | 1     | 0                 |
| Mexico .....                          | —                                              | -54                           | 0                   | 81                   | 3                                        | —             | -1    | -54               |
| Netherlands .....                     | —                                              | -3                            | 0                   | 2                    | 0                                        | —             | 0     | -11               |
| Norway .....                          | —                                              | —                             | —                   | 1                    | —                                        | —             | —     | -3                |
| Oman .....                            | —                                              | 0                             | —                   | —                    | —                                        | —             | —     | -2                |
| Panama .....                          | —                                              | -14                           | —                   | -21                  | —                                        | —             | 0     | -1                |
| Portugal .....                        | —                                              | —                             | —                   | —                    | —                                        | —             | 0     | -3                |
| Puerto Rico .....                     | —                                              | -2                            | —                   | 0                    | —                                        | —             | 0     | —                 |
| Qatar .....                           | —                                              | 1                             | —                   | —                    | 0                                        | —             | 0     | -1                |
| Russia .....                          | —                                              | —                             | —                   | 18                   | —                                        | —             | 0     | 0                 |
| Spain .....                           | —                                              | —                             | 0                   | 2                    | 0                                        | —             | 0     | -16               |
| Sweden .....                          | —                                              | —                             | —                   | 1                    | —                                        | —             | 0     | 0                 |
| Trinidad and Tobago .....             | —                                              | -3                            | —                   | 0                    | —                                        | —             | 0     | 0                 |
| United Kingdom .....                  | —                                              | -1                            | —                   | 1                    | 0                                        | 0             | 0     | -3                |
| Vietnam .....                         | —                                              | 0                             | —                   | —                    | —                                        | —             | 0     | 0                 |
| Virgin Islands, U.S. ....             | —                                              | -3                            | —                   | -11                  | —                                        | —             | —     | —                 |
| Yemen .....                           | —                                              | —                             | —                   | —                    | —                                        | —             | —     | —                 |
| Other .....                           | —                                              | -40                           | 0                   | -2                   | 4                                        | 1             | 0     | -109              |
| <b>Total</b> .....                    | —                                              | -65                           | 14                  | 115                  | 12                                       | 3             | 1     | -554              |
| <b>Persian Gulf<sup>6</sup></b> ..... | —                                              | 11                            | 0                   | 8                    | 0                                        | —             | 0     | -6                |

See footnotes at end of table.

**Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-October 2022**  
(Thousand Barrels per Day) — Continued

| Country of Origin                     | Asphalt and Road Oil | Lubricants | Miscellaneous Products | Total Products <sup>4</sup> | Total Crude Oil and Products <sup>4</sup> |
|---------------------------------------|----------------------|------------|------------------------|-----------------------------|-------------------------------------------|
| <b>OPEC</b> .....                     | <b>0</b>             | <b>2</b>   | <b>0</b>               | <b>231</b>                  | <b>1,194</b>                              |
| Algeria .....                         | —                    | 0          | —                      | 43                          | 53                                        |
| Angola .....                          | 0                    | 0          | —                      | 4                           | 52                                        |
| Congo (Brazzaville) .....             | —                    | —          | —                      | —                           | 975                                       |
| Equatorial Guinea .....               | —                    | 0          | —                      | 3                           | 3                                         |
| Gabon .....                           | —                    | 0          | —                      | 0                           | 2                                         |
| Iran .....                            | —                    | —          | —                      | —                           | 2                                         |
| Iraq .....                            | —                    | 0          | —                      | 64                          | 303                                       |
| Kuwait .....                          | —                    | 0          | 0                      | 15                          | 38                                        |
| Libya .....                           | —                    | 0          | —                      | 0                           | 78                                        |
| Nigeria .....                         | 0                    | -2         | —                      | -11                         | 77                                        |
| Saudi Arabia .....                    | 0                    | 0          | 0                      | 91                          | 544                                       |
| United Arab Emirates .....            | 0                    | 5          | 0                      | 22                          | 37                                        |
| Venezuela .....                       | —                    | 0          | 0                      | 0                           | 0                                         |
| <b>Non-OPEC</b> .....                 | <b>39</b>            | <b>-51</b> | <b>-2</b>              | <b>-4,143</b>               | <b>-2,331</b>                             |
| Argentina .....                       | -1                   | -1         | 0                      | -60                         | -2                                        |
| Aruba .....                           | —                    | 0          | —                      | -3                          | -3                                        |
| Australia .....                       | 0                    | 0          | 0                      | -17                         | -41                                       |
| Bahamas .....                         | 0                    | 0          | 0                      | -38                         | -42                                       |
| Bahrain .....                         | —                    | 2          | —                      | 2                           | 2                                         |
| Belgium .....                         | 0                    | -12        | 0                      | -58                         | -61                                       |
| Brazil .....                          | 0                    | -10        | 0                      | -318                        | -243                                      |
| Brunei .....                          | —                    | 0          | —                      | 1                           | 1                                         |
| Cameroon .....                        | —                    | 0          | —                      | 0                           | 0                                         |
| Canada .....                          | 45                   | -1         | 0                      | 51                          | 3,543                                     |
| Chad .....                            | —                    | 0          | —                      | 0                           | 0                                         |
| China .....                           | 0                    | 0          | 0                      | -394                        | -614                                      |
| Colombia .....                        | 1                    | -9         | 0                      | -104                        | 94                                        |
| Denmark .....                         | —                    | 0          | —                      | -3                          | -50                                       |
| Dominican Republic .....              | -1                   | -1         | 0                      | -94                         | -115                                      |
| Ecuador .....                         | 0                    | -2         | 0                      | -86                         | 55                                        |
| Estonia .....                         | —                    | 0          | —                      | 0                           | 0                                         |
| Finland .....                         | —                    | -2         | —                      | -9                          | -17                                       |
| France .....                          | —                    | -2         | 0                      | -13                         | -174                                      |
| Germany .....                         | 0                    | 0          | 0                      | 8                           | -107                                      |
| Guatemala .....                       | 0                    | -1         | 0                      | -103                        | -100                                      |
| Honduras .....                        | 0                    | 0          | 0                      | -69                         | -69                                       |
| India .....                           | 0                    | -3         | 0                      | -111                        | -417                                      |
| Indonesia .....                       | 0                    | 4          | 0                      | -79                         | -81                                       |
| Italy .....                           | 0                    | 0          | 0                      | 16                          | -153                                      |
| Japan .....                           | 0                    | 0          | 0                      | -424                        | -460                                      |
| Korea, South .....                    | 0                    | 12         | 0                      | -47                         | -403                                      |
| Latvia .....                          | —                    | 0          | —                      | -1                          | -1                                        |
| Lithuania .....                       | —                    | 0          | 0                      | 11                          | 6                                         |
| Malaysia .....                        | 0                    | 0          | 0                      | 20                          | 9                                         |
| Mexico .....                          | -3                   | -24        | -1                     | -1,010                      | -352                                      |
| Netherlands .....                     | 0                    | 1          | 0                      | -89                         | -438                                      |
| Norway .....                          | —                    | 0          | 0                      | -23                         | -15                                       |
| Oman .....                            | —                    | 0          | —                      | -1                          | -1                                        |
| Panama .....                          | -1                   | -1         | 0                      | -138                        | -147                                      |
| Portugal .....                        | —                    | 0          | —                      | -1                          | -15                                       |
| Puerto Rico .....                     | -1                   | -1         | 0                      | -10                         | -10                                       |
| Qatar .....                           | —                    | 11         | —                      | 24                          | 24                                        |
| Russia .....                          | 0                    | 0          | —                      | 153                         | 177                                       |
| Spain .....                           | 1                    | 0          | —                      | -19                         | -181                                      |
| Sweden .....                          | —                    | 0          | 0                      | -36                         | -72                                       |
| Trinidad and Tobago .....             | —                    | 0          | 0                      | -20                         | 22                                        |
| United Kingdom .....                  | 0                    | 0          | 0                      | -28                         | -326                                      |
| Vietnam .....                         | 0                    | 0          | 0                      | -8                          | -14                                       |
| Virgin Islands, U.S. ....             | 0                    | 0          | —                      | -38                         | -38                                       |
| Yemen .....                           | —                    | 0          | —                      | 0                           | 0                                         |
| Other .....                           | -1                   | -11        | -1                     | -977                        | -1,502                                    |
| <b>Total</b> .....                    | <b>39</b>            | <b>-48</b> | <b>-2</b>              | <b>-3,912</b>               | <b>-1,137</b>                             |
| <b>Persian Gulf<sup>5</sup></b> ..... | <b>0</b>             | <b>18</b>  | <b>0</b>               | <b>219</b>                  | <b>950</b>                                |

— = Not Applicable.

— = No Data Reported.

1 On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

2 Quantities are gross imports because exports are excluded from EIA data.

3 Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

4 Includes gross imports of refinery olefins, renewable diesel, other biofuels, and petrochemical feedstocks. See footnote 2.

5 Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Data source: U.S. Census Bureau and EIA estimates.

**Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, October 2022**  
(Thousand Barrels)

| Commodity                                                             | PAD Districts  |                |                |               |               | U.S. Total     |
|-----------------------------------------------------------------------|----------------|----------------|----------------|---------------|---------------|----------------|
|                                                                       | 1              | 2              | 3              | 4             | 5             |                |
| <b>Crude Oil</b> .....                                                | <b>8,411</b>   | <b>113,765</b> | <b>642,794</b> | <b>23,444</b> | <b>49,593</b> | <b>838,007</b> |
| Refinery .....                                                        | 6,098          | 13,660         | 43,761         | 2,276         | 22,681        | 88,476         |
| Tank Farms and Pipelines (Includes Cushing, OK) ....                  | 2,313          | 100,105        | 200,464        | 21,168        | 24,770        | 348,820        |
| Cushing, Oklahoma .....                                               | --             | 28,485         | --             | --            | --            | 28,485         |
| Leases .....                                                          | --             | --             | --             | --            | --            | --             |
| Strategic Petroleum Reserve <sup>1</sup> .....                        | --             | --             | 398,569        | --            | --            | 398,569        |
| Alaskan In Transit .....                                              | --             | --             | --             | --            | 2,142         | 2,142          |
| <b>Total Stocks, All Oils (excluding Crude Oil)<sup>2</sup></b> ..... | <b>122,805</b> | <b>175,785</b> | <b>382,659</b> | <b>23,976</b> | <b>86,038</b> | <b>791,263</b> |
| Refinery .....                                                        | 12,074         | 48,562         | 115,271        | 9,921         | 48,601        | 234,429        |
| Bulk Terminal .....                                                   | 83,087         | 89,951         | 209,161        | 7,358         | 32,238        | 421,795        |
| Pipeline .....                                                        | 27,414         | 35,807         | 57,006         | 6,515         | 4,599         | 131,341        |
| Natural Gas Processing Plant .....                                    | 230            | 1,465          | 1,221          | 182           | 600           | 3,698          |
| <b>Natural Gas Liquids</b> .....                                      | <b>12,279</b>  | <b>59,648</b>  | <b>155,318</b> | <b>7,656</b>  | <b>5,832</b>  | <b>240,732</b> |
| Refinery .....                                                        | 385            | 3,782          | 5,797          | 406           | 1,653         | 12,023         |
| Bulk Terminal .....                                                   | 9,516          | 37,330         | 125,028        | 2,642         | 3,579         | 178,094        |
| Pipeline .....                                                        | 2,148          | 17,071         | 23,272         | 4,426         | --            | 46,917         |
| Natural Gas Processing Plant .....                                    | 230            | 1,465          | 1,221          | 182           | 600           | 3,698          |
| <b>Ethane</b> .....                                                   | <b>1,169</b>   | <b>6,219</b>   | <b>44,138</b>  | <b>1,186</b>  | --            | <b>52,712</b>  |
| Refinery .....                                                        | --             | --             | 29             | --            | --            | 29             |
| Bulk Terminal .....                                                   | 594            | 2,455          | 35,574         | --            | --            | 38,623         |
| Pipeline .....                                                        | 575            | 3,618          | 8,507          | 1,182         | --            | 13,882         |
| Natural Gas Processing Plant .....                                    | --             | 146            | 28             | 4             | --            | 178            |
| <b>Propane</b> .....                                                  | <b>8,471</b>   | <b>25,021</b>  | <b>47,730</b>  | <b>2,943</b>  | <b>2,447</b>  | <b>86,612</b>  |
| Refinery .....                                                        | 96             | 1,389          | 1,556          | 41            | 124           | 3,206          |
| Bulk Terminal .....                                                   | 7,008          | 18,924         | 39,321         | 1,245         | 2,164         | 68,662         |
| Pipeline .....                                                        | 1,259          | 3,916          | 6,687          | 1,571         | --            | 13,433         |
| Natural Gas Processing Plant .....                                    | 108            | 792            | 166            | 86            | 159           | 1,311          |
| <b>Normal Butane</b> .....                                            | <b>2,245</b>   | <b>16,393</b>  | <b>38,540</b>  | <b>2,310</b>  | <b>2,990</b>  | <b>62,478</b>  |
| Refinery .....                                                        | 248            | 1,795          | 3,251          | 282           | 1,207         | 6,783          |
| Bulk Terminal .....                                                   | 1,726          | 13,386         | 32,288         | 1,376         | 1,404         | 50,180         |
| Pipeline .....                                                        | 227            | 1,030          | 2,565          | 622           | --            | 4,444          |
| Natural Gas Processing Plant .....                                    | 44             | 182            | 436            | 30            | 379           | 1,071          |
| <b>Isobutane</b> .....                                                | <b>103</b>     | <b>2,189</b>   | <b>8,888</b>   | <b>438</b>    | <b>353</b>    | <b>11,971</b>  |
| Refinery .....                                                        | 41             | 437            | 743            | 79            | 320           | 1,620          |
| Bulk Terminal .....                                                   | --             | 923            | 6,384          | --            | --            | 7,307          |
| Pipeline .....                                                        | 45             | 708            | 1,501          | 343           | --            | 2,597          |
| Natural Gas Processing Plant .....                                    | 17             | 121            | 260            | 16            | 33            | 447            |
| <b>Natural Gasoline</b> .....                                         | <b>291</b>     | <b>9,826</b>   | <b>16,022</b>  | <b>779</b>    | <b>42</b>     | <b>26,959</b>  |
| Refinery .....                                                        | --             | 161            | 218            | 4             | 2             | 385            |
| Bulk Terminal .....                                                   | 188            | 1,642          | 11,461         | 21            | 11            | 13,322         |
| Pipeline .....                                                        | 42             | 7,799          | 4,012          | 708           | --            | 12,561         |
| Natural Gas Processing Plant .....                                    | 61             | 224            | 331            | 46            | 29            | 691            |
| <b>Refinery Olefins</b> .....                                         | <b>303</b>     | <b>423</b>     | <b>1,303</b>   | <b>72</b>     | <b>72</b>     | <b>2,173</b>   |
| Refinery .....                                                        | 303            | 423            | 1,303          | 72            | 72            | 2,173          |
| <b>Ethylene</b> .....                                                 | --             | --             | 0              | --            | --            | 0              |
| Refinery .....                                                        | --             | --             | 0              | --            | --            | 0              |
| <b>Propylene</b> .....                                                | <b>170</b>     | <b>383</b>     | <b>461</b>     | <b>7</b>      | <b>6</b>      | <b>1,027</b>   |
| Refinery .....                                                        | 170            | 383            | 461            | 7             | 6             | 1,027          |
| <b>Normal Butylene</b> .....                                          | <b>87</b>      | <b>40</b>      | <b>842</b>     | <b>65</b>     | <b>66</b>     | <b>1,100</b>   |
| Refinery .....                                                        | 87             | 40             | 842            | 65            | 66            | 1,100          |
| <b>Isobutylene</b> .....                                              | <b>46</b>      | <b>0</b>       | <b>0</b>       | <b>0</b>      | <b>0</b>      | <b>46</b>      |
| Refinery .....                                                        | 46             | 0              | 0              | 0             | 0             | 46             |
| <b>Other Hydrocarbons</b> .....                                       | --             | <b>11</b>      | --             | --            | --            | <b>11</b>      |
| Refinery .....                                                        | --             | 11             | --             | --            | --            | 11             |
| <b>Biofuels (Including Fuel Ethanol)<sup>2</sup></b> .....            | <b>7,363</b>   | <b>9,662</b>   | <b>4,752</b>   | <b>551</b>    | <b>4,646</b>  | <b>26,975</b>  |
| Refinery .....                                                        | 157            | 93             | 906            | 104           | 964           | 2,224          |
| Bulk Terminal .....                                                   | 7,206          | 9,569          | 3,846          | 442           | 3,682         | 24,746         |
| Pipeline .....                                                        | --             | --             | --             | 5             | --            | 5              |
| <b>Fuel Ethanol</b> .....                                             | <b>6,468</b>   | <b>8,599</b>   | <b>3,558</b>   | <b>366</b>    | <b>2,641</b>  | <b>21,632</b>  |
| Refinery .....                                                        | 149            | 79             | 827            | 96            | 190           | 1,341          |
| Bulk Terminal .....                                                   | 6,319          | 8,520          | 2,731          | 265           | 2,451         | 20,286         |
| Pipeline .....                                                        | --             | --             | --             | 5             | --            | 5              |
| <b>Biodiesel</b> .....                                                | <b>895</b>     | <b>908</b>     | <b>612</b>     | <b>13</b>     | <b>501</b>    | <b>2,930</b>   |
| Refinery .....                                                        | 8              | 14             | 79             | 8             | 8             | 117            |
| Bulk Terminal .....                                                   | 887            | 894            | 533            | 5             | 493           | 2,813          |
| Pipeline .....                                                        | --             | --             | --             | --            | --            | --             |
| <b>Renewable Diesel Fuel</b> .....                                    | --             | <b>115</b>     | <b>504</b>     | <b>156</b>    | <b>1,460</b>  | <b>2,235</b>   |
| Refinery .....                                                        | --             | --             | --             | --            | 766           | 766            |
| Bulk Terminal .....                                                   | --             | 115            | 504            | 156           | 694           | 1,469          |
| Pipeline .....                                                        | --             | --             | --             | --            | --            | --             |
| <b>Other Biofuels<sup>3</sup></b> .....                               | --             | <b>40</b>      | <b>78</b>      | <b>16</b>     | <b>43</b>     | <b>178</b>     |
| Refinery .....                                                        | --             | --             | --             | --            | --            | --             |
| Bulk Terminal .....                                                   | --             | 40             | 78             | 16            | 43            | 178            |
| Pipeline .....                                                        | --             | --             | --             | --            | --            | --             |

See footnotes at end of table.

**Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, October 2022**  
(Thousand Barrels) — Continued

| Commodity                                                   | PAD Districts |               |               |              |               | U.S. Total     |
|-------------------------------------------------------------|---------------|---------------|---------------|--------------|---------------|----------------|
|                                                             | 1             | 2             | 3             | 4            | 5             |                |
| <b>Unfinished Oils</b> .....                                | <b>3,780</b>  | <b>14,267</b> | <b>46,082</b> | <b>2,740</b> | <b>18,308</b> | <b>85,177</b>  |
| <b>Naphthas and Lighter</b> .....                           | <b>1,046</b>  | <b>3,396</b>  | <b>10,074</b> | <b>537</b>   | <b>3,023</b>  | <b>18,076</b>  |
| Refinery .....                                              | 1,030         | 3,367         | 8,997         | 537          | 2,878         | 16,809         |
| Bulk Terminal .....                                         | --            | --            | --            | --           | --            | --             |
| <b>Kerosene and Light Gas Oils</b> .....                    | <b>587</b>    | <b>2,692</b>  | <b>8,875</b>  | <b>521</b>   | <b>2,782</b>  | <b>15,457</b>  |
| Refinery .....                                              | 587           | 2,692         | 6,937         | 521          | 2,693         | 13,430         |
| Bulk Terminal .....                                         | --            | --            | 1,938         | --           | 89            | 2,027          |
| <b>Heavy Gas Oils</b> .....                                 | <b>1,466</b>  | <b>5,686</b>  | <b>21,035</b> | <b>1,142</b> | <b>9,253</b>  | <b>38,582</b>  |
| Refinery .....                                              | 1,442         | 5,321         | 18,206        | 1,142        | 8,700         | 34,811         |
| Bulk Terminal .....                                         | 24            | 365           | 2,829         | --           | 553           | 3,771          |
| <b>Residuum</b> .....                                       | <b>681</b>    | <b>2,493</b>  | <b>6,098</b>  | <b>540</b>   | <b>3,250</b>  | <b>13,062</b>  |
| Refinery .....                                              | 681           | 2,493         | 6,098         | 540          | 3,250         | 13,062         |
| Bulk Terminal .....                                         | --            | --            | --            | --           | --            | --             |
| <b>Motor Gasoline Blending Components<sup>2</sup></b> ..... | <b>48,367</b> | <b>40,918</b> | <b>73,571</b> | <b>5,821</b> | <b>25,201</b> | <b>193,878</b> |
| Refinery .....                                              | 3,112         | 13,779        | 26,771        | 2,910        | 13,379        | 59,951         |
| Bulk Terminal .....                                         | 33,898        | 20,305        | 30,405        | 2,002        | 9,376         | 95,986         |
| Pipeline .....                                              | 11,357        | 6,834         | 16,395        | 909          | 2,446         | 37,941         |
| <b>Reformulated - RBOB</b> .....                            | <b>12,809</b> | <b>4,223</b>  | <b>9,928</b>  | <b>--</b>    | <b>12,703</b> | <b>39,663</b>  |
| Refinery .....                                              | 1,252         | 888           | 1,159         | --           | 5,099         | 8,398          |
| Bulk Terminal .....                                         | 8,932         | 2,897         | 4,805         | --           | 6,176         | 22,810         |
| Pipeline .....                                              | 2,625         | 438           | 3,964         | --           | 1,428         | 8,455          |
| <b>Conventional</b> .....                                   | <b>35,558</b> | <b>36,694</b> | <b>63,643</b> | <b>5,821</b> | <b>12,498</b> | <b>154,214</b> |
| Refinery .....                                              | 1,860         | 12,891        | 25,612        | 2,910        | 8,280         | 51,553         |
| Bulk Terminal .....                                         | 24,966        | 17,407        | 25,600        | 2,002        | 3,200         | 73,175         |
| Pipeline .....                                              | 8,732         | 6,396         | 12,431        | 909          | 1,018         | 29,486         |
| <b>CBOB</b> .....                                           | <b>26,722</b> | <b>29,032</b> | <b>35,932</b> | <b>4,521</b> | <b>6,690</b>  | <b>102,897</b> |
| Refinery .....                                              | 262           | 6,293         | 11,967        | 1,613        | 2,754         | 22,889         |
| Bulk Terminal .....                                         | 18,136        | 16,572        | 11,915        | 1,999        | 2,919         | 51,541         |
| Pipeline .....                                              | 8,324         | 6,167         | 12,050        | 909          | 1,017         | 28,467         |
| <b>GTAB</b> .....                                           | <b>1,079</b>  | <b>--</b>     | <b>--</b>     | <b>--</b>    | <b>--</b>     | <b>1,079</b>   |
| Refinery .....                                              | --            | --            | --            | --           | --            | --             |
| Bulk Terminal .....                                         | 1,079         | --            | --            | --           | --            | 1,079          |
| Pipeline .....                                              | --            | --            | --            | --           | --            | --             |
| <b>Other</b> .....                                          | <b>7,757</b>  | <b>7,662</b>  | <b>27,711</b> | <b>1,300</b> | <b>5,808</b>  | <b>50,238</b>  |
| Refinery .....                                              | 1,598         | 6,598         | 13,645        | 1,297        | 5,526         | 28,664         |
| Bulk Terminal .....                                         | 5,751         | 835           | 13,685        | 3            | 281           | 20,555         |
| Pipeline .....                                              | 408           | 229           | 381           | --           | 1             | 1,019          |
| <b>Aviation Gasoline Blending Components</b> .....          | <b>--</b>     | <b>--</b>     | <b>28</b>     | <b>--</b>    | <b>--</b>     | <b>28</b>      |
| Refinery .....                                              | --            | --            | 28            | --           | --            | 28             |
| Bulk Terminal .....                                         | --            | --            | --            | --           | --            | --             |
| <b>Finished Motor Gasoline</b> .....                        | <b>3,247</b>  | <b>3,973</b>  | <b>6,462</b>  | <b>1,182</b> | <b>2,237</b>  | <b>17,101</b>  |
| Refinery .....                                              | 44            | 750           | 2,731         | 739          | 770           | 5,034          |
| Bulk Terminal .....                                         | 908           | 1,059         | 3,475         | 280          | 1,444         | 7,166          |
| Pipeline .....                                              | 2,295         | 2,164         | 256           | 163          | 23            | 4,901          |
| <b>Reformulated</b> .....                                   | <b>5</b>      | <b>--</b>     | <b>--</b>     | <b>--</b>    | <b>22</b>     | <b>28</b>      |
| Refinery .....                                              | --            | --            | --            | --           | 22            | 22             |
| Bulk Terminal .....                                         | 5             | --            | --            | 1            | --            | 6              |
| Pipeline .....                                              | --            | --            | --            | --           | --            | --             |
| <b>Reformulated (Blended with Fuel Ethanol)</b> .....       | <b>5</b>      | <b>--</b>     | <b>--</b>     | <b>1</b>     | <b>22</b>     | <b>28</b>      |
| Refinery .....                                              | --            | --            | --            | --           | 22            | 22             |
| Bulk Terminal .....                                         | 5             | --            | --            | 1            | --            | 6              |
| Pipeline .....                                              | --            | --            | --            | --           | --            | --             |
| <b>Reformulated (Other)</b> .....                           | <b>--</b>     | <b>--</b>     | <b>--</b>     | <b>--</b>    | <b>--</b>     | <b>--</b>      |
| Refinery .....                                              | --            | --            | --            | --           | --            | --             |
| Bulk Terminal .....                                         | --            | --            | --            | --           | --            | --             |
| Pipeline .....                                              | --            | --            | --            | --           | --            | --             |
| <b>Conventional</b> .....                                   | <b>3,242</b>  | <b>3,973</b>  | <b>6,462</b>  | <b>1,181</b> | <b>2,215</b>  | <b>17,073</b>  |
| Refinery .....                                              | 44            | 750           | 2,731         | 739          | 748           | 5,012          |
| Bulk Terminal .....                                         | 903           | 1,059         | 3,475         | 279          | 1,444         | 7,160          |
| Pipeline .....                                              | 2,295         | 2,164         | 256           | 163          | 23            | 4,901          |
| <b>Conventional (Blended with Fuel Ethanol)</b> .....       | <b>--</b>     | <b>155</b>    | <b>--</b>     | <b>66</b>    | <b>30</b>     | <b>251</b>     |
| Refinery .....                                              | --            | --            | --            | 62           | --            | 62             |
| Bulk Terminal .....                                         | --            | 155           | --            | 4            | 30            | 189            |
| Pipeline .....                                              | --            | --            | --            | --           | --            | --             |
| <b>Ed55 and Lower</b> .....                                 | <b>--</b>     | <b>155</b>    | <b>--</b>     | <b>66</b>    | <b>--</b>     | <b>221</b>     |
| Refinery .....                                              | --            | --            | --            | 62           | --            | 62             |
| Bulk Terminal .....                                         | --            | 155           | --            | 4            | --            | 159            |
| Pipeline .....                                              | --            | --            | --            | --           | --            | --             |
| <b>Greater than Ed55</b> .....                              | <b>--</b>     | <b>0</b>      | <b>--</b>     | <b>--</b>    | <b>30</b>     | <b>30</b>      |
| Refinery .....                                              | --            | --            | --            | --           | --            | --             |
| Bulk Terminal .....                                         | --            | 0             | --            | --           | 30            | 30             |
| Pipeline .....                                              | --            | --            | --            | --           | --            | --             |
| <b>Conventional (Other)</b> .....                           | <b>3,242</b>  | <b>3,818</b>  | <b>6,462</b>  | <b>1,115</b> | <b>2,185</b>  | <b>16,822</b>  |
| Refinery .....                                              | 44            | 750           | 2,731         | 677          | 748           | 4,950          |
| Bulk Terminal .....                                         | 903           | 904           | 3,475         | 275          | 1,414         | 6,971          |
| Pipeline .....                                              | 2,295         | 2,164         | 256           | 163          | 23            | 4,901          |

See footnotes at end of table.



**Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, October 2022**  
(Thousand Barrels) — Continued

| Commodity                                          | PAD Districts  |                |                  |               |                | U.S. Total       |
|----------------------------------------------------|----------------|----------------|------------------|---------------|----------------|------------------|
|                                                    | 1              | 2              | 3                | 4             | 5              |                  |
| <b>Finished Aviation Gasoline</b> .....            | <b>213</b>     | <b>154</b>     | <b>501</b>       | <b>6</b>      | <b>284</b>     | <b>1,158</b>     |
| Refinery .....                                     | —              | 60             | 381              | 6             | 192            | 639              |
| Bulk Terminal .....                                | 213            | 94             | 120              | —             | 92             | 519              |
| Pipeline .....                                     | —              | —              | —                | —             | —              | —                |
| <b>Kerosene-Type Jet Fuel</b> .....                | <b>8,580</b>   | <b>6,847</b>   | <b>11,280</b>    | <b>764</b>    | <b>9,087</b>   | <b>36,558</b>    |
| Refinery .....                                     | 509            | 1,830          | 4,955            | 329           | 3,878          | 11,501           |
| Bulk Terminal .....                                | 4,345          | 3,370          | 2,742            | 309           | 4,408          | 15,174           |
| Pipeline .....                                     | 3,726          | 1,647          | 3,583            | 126           | 801            | 9,883            |
| <b>Kerosene</b> .....                              | <b>523</b>     | <b>148</b>     | <b>456</b>       | <b>1</b>      | <b>4</b>       | <b>1,132</b>     |
| Refinery .....                                     | 68             | 135            | 95               | 1             | 3              | 302              |
| Bulk Terminal .....                                | 446            | 13             | 133              | —             | 1              | 593              |
| Pipeline .....                                     | 9              | —              | 228              | —             | —              | 237              |
| <b>Distillate Fuel Oil<sup>2</sup></b> .....       | <b>26,425</b>  | <b>26,074</b>  | <b>42,460</b>    | <b>3,531</b>  | <b>12,038</b>  | <b>110,528</b>   |
| Refinery .....                                     | 1,639          | 5,798          | 14,346           | 1,532         | 5,433          | 28,748           |
| Bulk Terminal .....                                | 16,907         | 12,185         | 14,842           | 1,113         | 5,276          | 50,323           |
| Pipeline .....                                     | 7,879          | 8,091          | 13,272           | 886           | 1,329          | 31,457           |
| <b>15 ppm sulfur and Under</b> .....               | <b>24,288</b>  | <b>25,442</b>  | <b>35,567</b>    | <b>3,329</b>  | <b>11,220</b>  | <b>99,846</b>    |
| Refinery .....                                     | 1,307          | 5,424          | 11,514           | 1,377         | 4,869          | 24,491           |
| Bulk Terminal .....                                | 15,377         | 12,115         | 11,060           | 1,066         | 5,105          | 44,723           |
| Pipeline .....                                     | 7,604          | 7,903          | 12,993           | 886           | 1,246          | 30,632           |
| <b>Greater than 15 ppm to 500 ppm sulfur</b> ..... | <b>785</b>     | <b>385</b>     | <b>1,161</b>     | <b>122</b>    | <b>285</b>     | <b>2,738</b>     |
| Refinery .....                                     | 133            | 145            | 570              | 75            | 260            | 1,183            |
| Bulk Terminal .....                                | 651            | 58             | 462              | 47            | 1              | 1,219            |
| Pipeline .....                                     | 1              | 182            | 129              | —             | 24             | 336              |
| <b>Greater than 500 ppm sulfur</b> .....           | <b>1,352</b>   | <b>247</b>     | <b>5,732</b>     | <b>80</b>     | <b>533</b>     | <b>7,944</b>     |
| Refinery .....                                     | 199            | 229            | 2,262            | 80            | 304            | 3,074            |
| Bulk Terminal .....                                | 879            | 12             | 3,320            | —             | 170            | 4,381            |
| Pipeline .....                                     | 274            | 6              | 150              | —             | 59             | 489              |
| <b>Residual Fuel Oil</b> .....                     | <b>5,464</b>   | <b>1,094</b>   | <b>18,631</b>    | <b>189</b>    | <b>4,404</b>   | <b>29,782</b>    |
| Refinery .....                                     | 297            | 1,007          | 3,816            | 189           | 2,165          | 7,474            |
| Bulk Terminal .....                                | 5,167          | 87             | 14,815           | —             | 2,239          | 22,308           |
| Pipeline .....                                     | —              | —              | —                | —             | —              | —                |
| <b>Less than 0.31% Sulfur</b> .....                | <b>380</b>     | <b>122</b>     | <b>928</b>       | <b>28</b>     | <b>658</b>     | <b>2,116</b>     |
| Refinery .....                                     | 19             | 118            | 56               | 28            | 27             | 248              |
| Bulk Terminal .....                                | 361            | 4              | 872              | —             | 631            | 1,868            |
| <b>0.31% to 1.00% Sulfur</b> .....                 | <b>1,062</b>   | <b>282</b>     | <b>4,359</b>     | <b>4</b>      | <b>806</b>     | <b>6,513</b>     |
| Refinery .....                                     | 141            | 280            | 544              | 4             | 452            | 1,421            |
| Bulk Terminal .....                                | 921            | 2              | 3,815            | —             | 354            | 5,092            |
| <b>Greater than 1.00% Percent Sulfur</b> .....     | <b>4,022</b>   | <b>690</b>     | <b>13,344</b>    | <b>157</b>    | <b>2,940</b>   | <b>21,153</b>    |
| Refinery .....                                     | 137            | 609            | 3,216            | 157           | 1,686          | 5,805            |
| Bulk Terminal .....                                | 3,885          | 81             | 10,128           | —             | 1,254          | 15,348           |
| <b>Petrochemical Feedstocks</b> .....              | <b>—</b>       | <b>578</b>     | <b>1,851</b>     | <b>—</b>      | <b>—</b>       | <b>2,429</b>     |
| Refinery .....                                     | —              | 578            | 1,851            | —             | —              | 2,429            |
| Naphtha for Petrochemical Feedstock Use .....      | —              | 454            | 1,345            | —             | —              | 1,799            |
| Other Oils for Petrochemical Feedstock Use .....   | —              | 124            | 506              | —             | —              | 630              |
| <b>Special Naphthas</b> .....                      | <b>52</b>      | <b>109</b>     | <b>804</b>       | <b>—</b>      | <b>26</b>      | <b>991</b>       |
| Refinery .....                                     | 34             | 61             | 793              | —             | 26             | 914              |
| Bulk Terminal .....                                | 18             | 48             | 11               | —             | —              | 77               |
| <b>Lubricants</b> .....                            | <b>1,488</b>   | <b>748</b>     | <b>8,989</b>     | <b>—</b>      | <b>783</b>     | <b>12,008</b>    |
| Refinery .....                                     | 886            | 260            | 4,706            | —             | 607            | 6,459            |
| Bulk Terminal .....                                | 602            | 488            | 4,283            | —             | 176            | 5,549            |
| <b>Waxes</b> .....                                 | <b>199</b>     | <b>57</b>      | <b>314</b>       | <b>—</b>      | <b>—</b>       | <b>570</b>       |
| Refinery .....                                     | 199            | 57             | 314              | —             | —              | 570              |
| <b>Petroleum Coke</b> .....                        | <b>—</b>       | <b>1,881</b>   | <b>3,291</b>     | <b>63</b>     | <b>1,291</b>   | <b>6,526</b>     |
| Refinery .....                                     | —              | 1,881          | 3,291            | 63            | 1,291          | 6,526            |
| <b>Asphalt and Road Oil</b> .....                  | <b>4,453</b>   | <b>9,075</b>   | <b>5,904</b>     | <b>1,383</b>  | <b>1,753</b>   | <b>22,568</b>    |
| Refinery .....                                     | 633            | 4,065          | 2,376            | 813           | 574            | 8,461            |
| Bulk Terminal .....                                | 3,820          | 5,010          | 3,528            | 570           | 1,179          | 14,107           |
| <b>Miscellaneous Products</b> .....                | <b>68</b>      | <b>119</b>     | <b>662</b>       | <b>17</b>     | <b>73</b>      | <b>939</b>       |
| Refinery .....                                     | 68             | 119            | 573              | 17            | 73             | 850              |
| Bulk Terminal .....                                | —              | —              | 89               | —             | —              | 89               |
| Pipeline .....                                     | —              | —              | —                | —             | —              | —                |
| <b>Total Stocks, All Oils</b> .....                | <b>131,216</b> | <b>289,550</b> | <b>1,025,453</b> | <b>47,420</b> | <b>135,631</b> | <b>1,629,270</b> |

-- = Not Applicable.

- = No Data Reported.

1 Crude oil stocks in the Strategic Petroleum Reserve include non-U.S. stocks held under foreign or commercial storage agreements.

2 Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

3 Includes stocks held at biofuel production facilities.

Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene."

**Table 56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, October 2022**  
(Thousand Barrels)

| Commodity                   | Motor Gasoline |               |               | Motor Gasoline Blending Components <sup>1</sup> |                |                | Kerosene   |
|-----------------------------|----------------|---------------|---------------|-------------------------------------------------|----------------|----------------|------------|
|                             | Reformulated   | Conventional  | Total         | Reformulated                                    | Conventional   | Total          |            |
| <b>PAD District 1</b> ..... | <b>5</b>       | <b>947</b>    | <b>952</b>    | <b>10,184</b>                                   | <b>26,826</b>  | <b>37,010</b>  | <b>514</b> |
| Connecticut .....           | —              | —             | —             | 784                                             | 20             | 804            | 1          |
| Delaware .....              | —              | —             | —             | 878                                             | 516            | 1,394          | 60         |
| District of Columbia .....  | —              | —             | —             | —                                               | —              | —              | —          |
| Florida .....               | —              | 481           | 481           | —                                               | 5,885          | 5,885          | —          |
| Georgia .....               | —              | 85            | 85            | —                                               | 2,164          | 2,164          | —          |
| Maine .....                 | —              | —             | —             | 2                                               | 435            | 437            | 127        |
| Maryland .....              | —              | —             | —             | 860                                             | 105            | 965            | 43         |
| Massachusetts .....         | 4              | —             | 4             | 1,305                                           | —              | 1,305          | —          |
| New Hampshire .....         | —              | —             | —             | —                                               | —              | —              | —          |
| New Jersey .....            | —              | 92            | 92            | 3,050                                           | 7,539          | 10,589         | 23         |
| New York .....              | 1              | —             | 1             | 637                                             | 1,500          | 2,137          | 156        |
| North Carolina .....        | —              | 38            | 38            | —                                               | 2,435          | 2,435          | 33         |
| Pennsylvania .....          | —              | —             | —             | 580                                             | 3,784          | 4,364          | 38         |
| Rhode Island .....          | —              | —             | —             | 538                                             | 4              | 542            | —          |
| South Carolina .....        | —              | 164           | 164           | —                                               | 1,192          | 1,192          | 24         |
| Vermont .....               | —              | —             | —             | —                                               | 23             | 23             | 2          |
| Virginia .....              | —              | 16            | 16            | 1,550                                           | 1,078          | 2,628          | 7          |
| West Virginia .....         | —              | 71            | 71            | —                                               | 146            | 146            | —          |
| <b>PAD District 2</b> ..... | <b>—</b>       | <b>1,809</b>  | <b>1,809</b>  | <b>3,785</b>                                    | <b>30,298</b>  | <b>34,084</b>  | <b>148</b> |
| Illinois .....              | —              | 47            | 47            | 2,212                                           | 4,928          | 7,140          | 108        |
| Indiana .....               | —              | 88            | 88            | 542                                             | 3,452          | 3,994          | 1          |
| Iowa .....                  | —              | 42            | 42            | —                                               | 1,507          | 1,507          | —          |
| Kansas .....                | —              | 256           | 256           | —                                               | 2,693          | 2,693          | 21         |
| Kentucky .....              | —              | 86            | 86            | 336                                             | 1,482          | 1,818          | —          |
| Michigan .....              | —              | 9             | 9             | 75                                              | 2,754          | 2,829          | —          |
| Minnesota .....             | —              | 252           | 252           | 0                                               | 2,117          | 2,117          | —          |
| Missouri .....              | —              | 105           | 105           | 173                                             | 624            | 797            | —          |
| Nebraska .....              | —              | 56            | 56            | —                                               | 455            | 455            | —          |
| North Dakota .....          | —              | 36            | 36            | —                                               | 751            | 751            | —          |
| Ohio .....                  | —              | 473           | 473           | —                                               | 3,837          | 3,837          | 13         |
| Oklahoma .....              | —              | 196           | 196           | —                                               | 2,587          | 2,587          | —          |
| South Dakota .....          | —              | 18            | 18            | —                                               | 251            | 251            | —          |
| Tennessee .....             | —              | 54            | 54            | —                                               | 1,989          | 1,989          | —          |
| Wisconsin .....             | —              | 91            | 91            | 447                                             | 871            | 1,318          | 5          |
| <b>PAD District 3</b> ..... | <b>—</b>       | <b>6,206</b>  | <b>6,206</b>  | <b>5,964</b>                                    | <b>51,212</b>  | <b>57,176</b>  | <b>228</b> |
| Alabama .....               | —              | 90            | 90            | 6                                               | 1,311          | 1,317          | 2          |
| Arkansas .....              | —              | 122           | 122           | —                                               | 990            | 990            | —          |
| Louisiana .....             | —              | 594           | 594           | 41                                              | 12,444         | 12,485         | 1          |
| Mississippi .....           | —              | 1,254         | 1,254         | 12                                              | 2,336          | 2,348          | —          |
| New Mexico .....            | —              | 30            | 30            | 17                                              | 749            | 766            | —          |
| Texas .....                 | —              | 4,116         | 4,116         | 5,888                                           | 33,382         | 39,270         | 225        |
| <b>PAD District 4</b> ..... | <b>1</b>       | <b>1,018</b>  | <b>1,019</b>  | <b>—</b>                                        | <b>4,912</b>   | <b>4,912</b>   | <b>1</b>   |
| Colorado .....              | —              | 98            | 98            | —                                               | 1,332          | 1,332          | —          |
| Idaho .....                 | —              | 42            | 42            | —                                               | 335            | 335            | —          |
| Montana .....               | —              | 358           | 358           | —                                               | 1,072          | 1,072          | —          |
| Utah .....                  | 1              | 100           | 101           | —                                               | 1,481          | 1,481          | 1          |
| Wyoming .....               | —              | 420           | 420           | —                                               | 692            | 692            | —          |
| <b>PAD District 5</b> ..... | <b>22</b>      | <b>2,192</b>  | <b>2,214</b>  | <b>11,275</b>                                   | <b>11,480</b>  | <b>22,755</b>  | <b>4</b>   |
| Alaska .....                | —              | 324           | 324           | —                                               | 377            | 377            | 1          |
| Arizona .....               | —              | 113           | 113           | 673                                             | 296            | 969            | —          |
| California .....            | 22             | 512           | 534           | 10,286                                          | 5,662          | 15,948         | 3          |
| Hawaii .....                | —              | 543           | 543           | —                                               | 470            | 470            | —          |
| Nevada .....                | —              | 169           | 169           | 13                                              | 325            | 338            | —          |
| Oregon .....                | —              | 41            | 41            | —                                               | 1,021          | 1,021          | —          |
| Washington .....            | —              | 490           | 490           | 303                                             | 3,329          | 3,632          | —          |
| <b>U.S. Total</b> .....     | <b>28</b>      | <b>12,172</b> | <b>12,200</b> | <b>31,208</b>                                   | <b>124,728</b> | <b>155,937</b> | <b>895</b> |

See footnotes at end of table.

**Table 56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, October 2022**  
(Thousand Barrels) — Continued

| Commodity                   | Distillate Fuel Oil <sup>1</sup> |                                       |                      |               | Residual Fuel Oil | Propane       |
|-----------------------------|----------------------------------|---------------------------------------|----------------------|---------------|-------------------|---------------|
|                             | 15 ppm sulfur and under          | Greater than 15 ppm to 500 ppm sulfur | Greater than 500 ppm | Total         |                   |               |
| <b>PAD District 1</b> ..... | <b>16,684</b>                    | <b>784</b>                            | <b>1,078</b>         | <b>18,546</b> | <b>5,464</b>      | <b>7,212</b>  |
| Connecticut .....           | 1,060                            | —                                     | —                    | 1,060         | 7                 | —             |
| Delaware .....              | 589                              | 56                                    | 94                   | 739           | 466               | 12            |
| District of Columbia .....  | —                                | —                                     | —                    | —             | —                 | —             |
| Florida .....               | 1,703                            | 233                                   | —                    | 1,936         | 1,189             | 334           |
| Georgia .....               | 1,087                            | —                                     | —                    | 1,087         | 161               | 9             |
| Maine .....                 | 835                              | 1                                     | —                    | 836           | 4                 | —             |
| Maryland .....              | 440                              | —                                     | —                    | 440           | 223               | —             |
| Massachusetts .....         | 781                              | 16                                    | —                    | 797           | 78                | —             |
| New Hampshire .....         | 328                              | —                                     | —                    | 328           | 7                 | 480           |
| New Jersey .....            | 3,284                            | 146                                   | 569                  | 3,999         | 2,887             | 74            |
| New York .....              | 1,961                            | —                                     | 113                  | 2,074         | 146               | 2,164         |
| North Carolina .....        | 647                              | —                                     | —                    | 647           | —                 | 388           |
| Pennsylvania .....          | 2,230                            | —                                     | 68                   | 2,298         | 139               | 2,728         |
| Rhode Island .....          | 361                              | —                                     | —                    | 361           | —                 | —             |
| South Carolina .....        | 387                              | —                                     | —                    | 387           | 52                | 664           |
| Vermont .....               | 6                                | —                                     | —                    | 6             | —                 | —             |
| Virginia .....              | 852                              | 258                                   | 234                  | 1,344         | 105               | 5             |
| West Virginia .....         | 133                              | 74                                    | —                    | 207           | —                 | 77            |
| <b>PAD District 2</b> ..... | <b>17,539</b>                    | <b>203</b>                            | <b>241</b>           | <b>17,983</b> | <b>1,094</b>      | <b>21,105</b> |
| Illinois .....              | 2,414                            | —                                     | 1                    | 2,415         | 418               | 931           |
| Indiana .....               | 2,108                            | —                                     | 34                   | 2,142         | 143               | 342           |
| Iowa .....                  | 1,346                            | 1                                     | —                    | 1,347         | —                 | 428           |
| Kansas .....                | 2,007                            | —                                     | —                    | 2,007         | 33                | 12,793        |
| Kentucky .....              | 718                              | —                                     | —                    | 718           | —                 | 339           |
| Michigan .....              | 1,239                            | —                                     | —                    | 1,239         | 81                | 4,672         |
| Minnesota .....             | 1,444                            | —                                     | 66                   | 1,510         | 163               | 385           |
| Missouri .....              | 645                              | 51                                    | 5                    | 701           | —                 | 30            |
| Nebraska .....              | 467                              | —                                     | —                    | 467           | —                 | 385           |
| North Dakota .....          | 670                              | —                                     | —                    | 670           | 25                | 49            |
| Ohio .....                  | 1,480                            | 6                                     | 79                   | 1,565         | 87                | 589           |
| Oklahoma .....              | 1,347                            | 145                                   | 56                   | 1,548         | 47                | 93            |
| South Dakota .....          | 264                              | —                                     | —                    | 264           | —                 | 26            |
| Tennessee .....             | 758                              | —                                     | —                    | 758           | 94                | 4             |
| Wisconsin .....             | 631                              | —                                     | —                    | 631           | 3                 | 39            |
| <b>PAD District 3</b> ..... | <b>22,574</b>                    | <b>1,032</b>                          | <b>5,582</b>         | <b>29,188</b> | <b>18,631</b>     | <b>41,043</b> |
| Alabama .....               | 886                              | 17                                    | 44                   | 947           | 316               | 19            |
| Arkansas .....              | 614                              | —                                     | —                    | 614           | —                 | 24            |
| Louisiana .....             | 4,473                            | 365                                   | 998                  | 5,836         | 8,449             | 3,674         |
| Mississippi .....           | 828                              | 335                                   | 71                   | 1,234         | 357               | 2,376         |
| New Mexico .....            | 288                              | —                                     | —                    | 288           | 136               | 4             |
| Texas .....                 | 15,485                           | 315                                   | 4,469                | 20,269        | 9,373             | 34,946        |
| <b>PAD District 4</b> ..... | <b>2,443</b>                     | <b>122</b>                            | <b>80</b>            | <b>2,645</b>  | <b>189</b>        | <b>1,372</b>  |
| Colorado .....              | 602                              | —                                     | —                    | 602           | 3                 | 24            |
| Idaho .....                 | 170                              | —                                     | —                    | 170           | —                 | —             |
| Montana .....               | 761                              | 33                                    | —                    | 794           | 63                | 26            |
| Utah .....                  | 451                              | 31                                    | 80                   | 562           | 45                | 1,255         |
| Wyoming .....               | 459                              | 58                                    | —                    | 517           | 78                | 67            |
| <b>PAD District 5</b> ..... | <b>9,974</b>                     | <b>261</b>                            | <b>474</b>           | <b>10,709</b> | <b>4,404</b>      | <b>2,447</b>  |
| Alaska .....                | 831                              | —                                     | 40                   | 871           | 56                | 3             |
| Arizona .....               | 347                              | —                                     | —                    | 347           | —                 | 1,263         |
| California .....            | 5,308                            | 260                                   | 297                  | 5,865         | 2,524             | 610           |
| Hawaii .....                | 246                              | 1                                     | 135                  | 382           | 915               | 97            |
| Nevada .....                | 149                              | —                                     | 2                    | 151           | —                 | —             |
| Oregon .....                | 870                              | —                                     | —                    | 870           | 149               | —             |
| Washington .....            | 2,224                            | —                                     | —                    | 2,224         | 760               | 474           |
| <b>U.S. Total</b> .....     | <b>69,214</b>                    | <b>2,402</b>                          | <b>7,455</b>         | <b>79,071</b> | <b>29,782</b>     | <b>73,179</b> |

— = No Data Reported.

<sup>1</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D. Includes stocks held at biofuel production facilities.

Note: Totals may not equal sum of components due to independent rounding.

Data source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene."

**Table 57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail <sup>1</sup> Between PAD Districts, October 2022**  
(Thousand Barrels)

| Commodity                                        | From 1 to     |            |          | From 2 to     |               |               |              | From 3 to      |               |
|--------------------------------------------------|---------------|------------|----------|---------------|---------------|---------------|--------------|----------------|---------------|
|                                                  | 2             | 3          | 5        | 1             | 3             | 4             | 5            | 1              | 2             |
| <b>Crude Oil</b> .....                           | <b>352</b>    | <b>20</b>  | <b>0</b> | <b>938</b>    | <b>52,166</b> | <b>6,408</b>  | <b>2,164</b> | <b>2,335</b>   | <b>19,620</b> |
| <b>Petroleum Products</b> .....                  | <b>17,693</b> | <b>82</b>  | <b>0</b> | <b>20,363</b> | <b>44,230</b> | <b>15,295</b> | <b>5,026</b> | <b>106,606</b> | <b>18,194</b> |
| Natural Gas Liquids .....                        | 7,682         | 70         | 0        | 6,719         | 32,593        | 10,980        | 854          | 2,059          | 8,835         |
| Ethane .....                                     | 5,712         | 0          | —        | 114           | 14,913        | 3,193         | —            | 0              | 1,237         |
| Propane .....                                    | 1,083         | 29         | 0        | 4,960         | 9,413         | 4,033         | 342          | 2,027          | 2,107         |
| Normal Butane .....                              | 195           | 0          | 0        | 1,624         | 3,308         | 1,695         | 470          | 31             | 711           |
| Isobutane .....                                  | 424           | 41         | 0        | 21            | 1,407         | 596           | 42           | 1              | 973           |
| Natural Gasoline .....                           | 268           | 0          | —        | 0             | 3,552         | 1,463         | —            | 0              | 3,807         |
| Refinery Olefins .....                           | 0             | 0          | —        | 333           | 382           | —             | —            | 0              | 0             |
| Ethylene .....                                   | —             | —          | —        | —             | —             | —             | —            | —              | —             |
| Propylene .....                                  | 0             | 0          | —        | 333           | 382           | —             | —            | 0              | 0             |
| Normal Butylene .....                            | —             | —          | —        | —             | —             | —             | —            | —              | —             |
| Isobutylene .....                                | —             | —          | —        | —             | —             | —             | —            | —              | —             |
| Unfinished Oils .....                            | 40            | 0          | —        | 0             | 1,064         | —             | —            | 10             | 35            |
| Motor Gasoline Blending Components .....         | 6,770         | 0          | 0        | 1,035         | 1,628         | 2,106         | 0            | 58,795         | 3,281         |
| Reformulated - RBOB .....                        | 0             | 0          | 0        | 0             | 273           | —             | 0            | 6,656          | 1,058         |
| Conventional .....                               | 6,770         | 0          | 0        | 1,035         | 1,355         | 2,106         | 0            | 52,139         | 2,223         |
| CBOB .....                                       | 6,770         | 0          | 0        | 1,035         | 1,250         | 2,106         | 0            | 51,279         | 2,165         |
| GTAB .....                                       | —             | —          | —        | —             | —             | —             | —            | —              | —             |
| Other .....                                      | 0             | 0          | —        | 0             | 105           | —             | —            | 860            | 58            |
| Biofuels (including Fuel Ethanol) .....          | 0             | 0          | 0        | 9,330         | 5,762         | 468           | 3,973        | 0              | 0             |
| Fuel Ethanol .....                               | 0             | 0          | 0        | 9,196         | 5,529         | 440           | 3,594        | 0              | 0             |
| Biodiesel .....                                  | 0             | 0          | 0        | 133           | 234           | 29            | 379          | 0              | 0             |
| Renewable Diesel Fuel .....                      | —             | 0          | 0        | —             | 0             | —             | 0            | —              | —             |
| Other Biofuels <sup>2</sup> .....                | —             | —          | —        | —             | —             | —             | —            | —              | —             |
| Finished Motor Gasoline .....                    | 92            | 0          | 0        | 440           | 31            | 114           | 0            | 1,969          | 1,705         |
| Reformulated .....                               | —             | —          | —        | —             | —             | —             | —            | —              | —             |
| Reformulated Blended with Fuel Ethanol .....     | —             | —          | —        | —             | —             | —             | —            | —              | —             |
| Reformulated Other .....                         | —             | —          | —        | —             | —             | —             | —            | —              | —             |
| Conventional .....                               | 92            | 0          | 0        | 440           | 31            | 114           | 0            | 1,969          | 1,705         |
| Conventional Blended with Fuel Ethanol .....     | —             | —          | —        | —             | —             | —             | —            | —              | —             |
| Ed55 and Lower .....                             | —             | —          | —        | —             | —             | —             | —            | —              | —             |
| Greater than Ed55 .....                          | —             | —          | —        | —             | —             | —             | —            | —              | —             |
| Conventional Other .....                         | 92            | 0          | 0        | 440           | 31            | 114           | 0            | 1,969          | 1,705         |
| Finished Aviation Gasoline .....                 | 0             | 0          | —        | 0             | 0             | —             | —            | 117            | 45            |
| Kerosene-Type Jet Fuel .....                     | 405           | 0          | 0        | 81            | 0             | 813           | 0            | 14,735         | 662           |
| Kerosene .....                                   | —             | 0          | —        | 0             | 0             | —             | —            | 37             | —             |
| Distillate Fuel Oil .....                        | 2,661         | 0          | 0        | 1,392         | 1,250         | 796           | 0            | 28,118         | 3,230         |
| 15 ppm sulfur and under .....                    | 2,661         | 0          | 0        | 1,392         | 1,250         | 796           | 0            | 27,222         | 3,205         |
| Greater than 15 ppm to 500 ppm sulfur .....      | 0             | 0          | —        | 0             | 0             | —             | —            | 1              | 25            |
| Greater than 500 ppm sulfur .....                | —             | 0          | —        | 0             | 0             | —             | —            | 895            | —             |
| Residual Fuel Oil .....                          | 0             | 0          | —        | —             | 813           | —             | —            | —              | 1             |
| Petrochemical Feedstocks .....                   | 0             | 0          | —        | —             | 138           | —             | —            | —              | 25            |
| Naphtha for Petrochemical Feedstock Use .....    | 0             | 0          | —        | —             | 138           | —             | —            | —              | 25            |
| Other Oils for Petrochemical Feedstock Use ..... | —             | —          | —        | —             | —             | —             | —            | —              | —             |
| Special Naphthas .....                           | 0             | 0          | —        | —             | 0             | —             | —            | —              | 15            |
| Lubricants .....                                 | 0             | 0          | —        | 0             | 0             | —             | —            | 389            | 161           |
| Waxes .....                                      | —             | —          | —        | —             | —             | —             | —            | —              | —             |
| Marketable Petroleum Coke .....                  | 0             | 12         | 0        | 218           | 310           | 13            | 16           | 102            | 55            |
| Asphalt and Road Oil .....                       | 43            | 0          | 0        | 815           | 259           | 5             | 183          | 275            | 139           |
| Miscellaneous Products .....                     | 0             | 0          | —        | —             | 0             | —             | —            | —              | 6             |
| <b>Total</b> .....                               | <b>18,045</b> | <b>102</b> | <b>0</b> | <b>21,301</b> | <b>96,396</b> | <b>21,703</b> | <b>7,190</b> | <b>108,941</b> | <b>37,814</b> |

See footnotes at end of table.

**Table 57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail <sup>1</sup> Between PAD Districts, October 2022**  
(Thousand Barrels) — Continued

| Commodity                                        | From 3 to |              | From 4 to |               |              |              | From 5 to |          |           |
|--------------------------------------------------|-----------|--------------|-----------|---------------|--------------|--------------|-----------|----------|-----------|
|                                                  | 4         | 5            | 1         | 2             | 3            | 5            | 1         | 3        | 4         |
| <b>Crude Oil</b> .....                           | <b>0</b>  | <b>0</b>     | <b>0</b>  | <b>26,438</b> | <b>1,035</b> | <b>0</b>     | <b>0</b>  | <b>0</b> | <b>0</b>  |
| <b>Petroleum Products</b> .....                  | <b>5</b>  | <b>6,392</b> | <b>0</b>  | <b>23,004</b> | <b>4,632</b> | <b>2,289</b> | <b>0</b>  | <b>0</b> | <b>19</b> |
| Natural Gas Liquids .....                        | 0         | 118          | 0         | 21,718        | 4,392        | 303          | 0         | 0        | 0         |
| Ethane .....                                     | 0         | —            | 0         | 6,816         | 1,590        | —            | 0         | 0        | 0         |
| Propane .....                                    | 0         | 0            | 0         | 7,697         | 1,324        | 54           | 0         | 0        | 0         |
| Normal Butane .....                              | 0         | 15           | 0         | 3,175         | 524          | 192          | 0         | 0        | 0         |
| Isobutane .....                                  | 0         | 103          | 0         | 1,239         | 314          | 57           | 0         | 0        | 0         |
| Natural Gasoline .....                           | 0         | —            | 0         | 2,791         | 640          | —            | 0         | 0        | 0         |
| Refinery Olefins .....                           | —         | —            | 0         | 0             | 0            | —            | 0         | 0        | —         |
| Ethylene .....                                   | —         | —            | —         | —             | —            | —            | —         | —        | —         |
| Propylene .....                                  | —         | —            | 0         | 0             | 0            | —            | 0         | 0        | —         |
| Normal Butylene .....                            | —         | —            | —         | —             | —            | —            | —         | —        | —         |
| Isobutylene .....                                | —         | —            | —         | —             | —            | —            | —         | —        | —         |
| Unfinished Oils .....                            | —         | —            | 0         | 0             | 0            | —            | 0         | 0        | —         |
| Motor Gasoline Blending Components .....         | 0         | 3,791        | 0         | 175           | 0            | 1,207        | 0         | 0        | 0         |
| Reformulated - RBOB .....                        | —         | 2,144        | 0         | 0             | 0            | 0            | 0         | 0        | —         |
| Conventional .....                               | 0         | 1,647        | 0         | 175           | 0            | 1,207        | 0         | 0        | 0         |
| CBOB .....                                       | 0         | 1,647        | 0         | 175           | 0            | 1,207        | 0         | 0        | 0         |
| GTAB .....                                       | —         | —            | —         | —             | —            | —            | —         | —        | —         |
| Other .....                                      | —         | —            | 0         | 0             | 0            | —            | 0         | 0        | —         |
| Biofuels (including Fuel Ethanol) .....          | 0         | 1,265        | 0         | 0             | 0            | 43           | 0         | 0        | 0         |
| Fuel Ethanol .....                               | 0         | 639          | 0         | 0             | 0            | 43           | 0         | 0        | 0         |
| Biodiesel .....                                  | 0         | 95           | 0         | 0             | 0            | 0            | 0         | 0        | 0         |
| Renewable Diesel Fuel .....                      | —         | 530          | —         | —             | 0            | 0            | —         | 0        | —         |
| Other Biofuels <sup>2</sup> .....                | —         | —            | —         | —             | —            | —            | —         | —        | —         |
| Finished Motor Gasoline .....                    | 0         | 0            | 0         | 432           | 0            | 92           | 0         | 0        | 0         |
| Reformulated .....                               | —         | —            | —         | —             | —            | —            | —         | —        | —         |
| Reformulated Blended with Fuel Ethanol .....     | —         | —            | —         | —             | —            | —            | —         | —        | —         |
| Reformulated Other .....                         | —         | —            | —         | —             | —            | —            | —         | —        | —         |
| Conventional .....                               | 0         | 0            | 0         | 432           | 0            | 92           | 0         | 0        | 0         |
| Conventional Blended with Fuel Ethanol .....     | —         | —            | —         | —             | —            | —            | —         | —        | —         |
| Ed55 and Lower .....                             | —         | —            | —         | —             | —            | —            | —         | —        | —         |
| Greater than Ed55 .....                          | —         | —            | —         | —             | —            | —            | —         | —        | —         |
| Conventional Other .....                         | 0         | 0            | 0         | 432           | 0            | 92           | 0         | 0        | 0         |
| Finished Aviation Gasoline .....                 | —         | —            | 0         | 0             | 0            | —            | 0         | 0        | —         |
| Kerosene-Type Jet Fuel .....                     | 0         | 203          | 0         | 30            | 0            | 8            | 0         | 0        | 0         |
| Kerosene .....                                   | —         | —            | 0         | —             | 0            | —            | 0         | 0        | —         |
| Distillate Fuel Oil .....                        | 0         | 906          | 0         | 364           | 0            | 263          | 0         | 0        | 0         |
| 15 ppm sulfur and under .....                    | 0         | 906          | 0         | 364           | 0            | 263          | 0         | 0        | 0         |
| Greater than 15 ppm to 500 ppm sulfur .....      | —         | —            | 0         | 0             | 0            | —            | 0         | 0        | —         |
| Greater than 500 ppm sulfur .....                | —         | —            | 0         | —             | 0            | —            | 0         | 0        | —         |
| Residual Fuel Oil .....                          | —         | —            | —         | 0             | 0            | —            | —         | 0        | —         |
| Petrochemical Feedstocks .....                   | —         | —            | —         | 0             | 0            | —            | —         | 0        | —         |
| Naphtha for Petrochemical Feedstock Use .....    | —         | —            | —         | 0             | 0            | —            | —         | 0        | —         |
| Other Oils for Petrochemical Feedstock Use ..... | —         | —            | —         | —             | —            | —            | —         | —        | —         |
| Special Naphthas .....                           | —         | —            | —         | 0             | 0            | —            | —         | 0        | —         |
| Lubricants .....                                 | —         | —            | 0         | 0             | 0            | —            | 0         | 0        | —         |
| Waxes .....                                      | —         | —            | —         | —             | —            | —            | —         | —        | —         |
| Marketable Petroleum Coke .....                  | 0         | 6            | 0         | 177           | 111          | 110          | 0         | 0        | 6         |
| Asphalt and Road Oil .....                       | 5         | 103          | 0         | 109           | 129          | 263          | 0         | 0        | 13        |
| Miscellaneous Products .....                     | —         | —            | —         | 0             | 0            | —            | —         | 0        | —         |
| <b>Total</b> .....                               | <b>5</b>  | <b>6,392</b> | <b>0</b>  | <b>49,442</b> | <b>5,667</b> | <b>2,289</b> | <b>0</b>  | <b>0</b> | <b>19</b> |

— = No Data Reported.

<sup>1</sup> Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil include movements by rail. Movements of other products are by pipeline, tanker and barge only.

<sup>2</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Data source: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail net movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, October 2022**  
(Thousand Barrels)

| Commodity                                    | From 1 to     |           | From 2 to    |               |               | From 3 to     |               |          |              |
|----------------------------------------------|---------------|-----------|--------------|---------------|---------------|---------------|---------------|----------|--------------|
|                                              | 2             | 3         | 1            | 3             | 4             | 1             | 2             | 4        | 5            |
| <b>Crude Oil</b> .....                       | <b>195</b>    | <b>20</b> | <b>189</b>   | <b>52,166</b> | <b>6,408</b>  | <b>117</b>    | <b>19,620</b> | <b>0</b> | <b>-</b>     |
| <b>Petroleum Products</b> .....              | <b>17,337</b> | <b>0</b>  | <b>7,729</b> | <b>35,010</b> | <b>14,809</b> | <b>82,282</b> | <b>16,876</b> | <b>0</b> | <b>4,900</b> |
| Natural Gas Liquids .....                    | 7,409         | 0         | 5,706        | 32,342        | 10,980        | 1,725         | 8,327         | 0        | -            |
| Ethane .....                                 | 5,712         | 0         | 114          | 14,913        | 3,193         | 0             | 1,237         | 0        | -            |
| Propane .....                                | 996           | 0         | 4,260        | 9,207         | 4,033         | 1,725         | 1,958         | 0        | -            |
| Normal Butane .....                          | 128           | 0         | 1,332        | 3,284         | 1,695         | 0             | 575           | 0        | -            |
| Isobutane .....                              | 305           | 0         | 0            | 1,386         | 596           | 0             | 750           | 0        | -            |
| Natural Gasoline .....                       | 268           | 0         | 0            | 3,552         | 1,463         | 0             | 3,807         | 0        | -            |
| Motor Gasoline Blending Components .....     | 6,770         | 0         | 546          | 1,469         | 2,106         | 44,813        | 3,281         | 0        | 3,791        |
| Reformulated - RBOB .....                    | 0             | 0         | 0            | 273           | -             | 6,656         | 1,058         | -        | 2,144        |
| Conventional .....                           | 6,770         | 0         | 546          | 1,196         | 2,106         | 38,157        | 2,223         | 0        | 1,647        |
| CBOB .....                                   | 6,770         | 0         | 546          | 1,196         | 2,106         | 37,341        | 2,165         | 0        | 1,647        |
| GTAB .....                                   | -             | -         | -            | -             | -             | -             | -             | -        | -            |
| Other .....                                  | 0             | 0         | 0            | 0             | -             | 816           | 58            | -        | -            |
| Biofuels (including Fuel Ethanol) .....      | -             | -         | -            | -             | -             | -             | -             | -        | -            |
| Fuel Ethanol .....                           | -             | -         | -            | -             | -             | -             | -             | -        | -            |
| Biodiesel .....                              | -             | -         | -            | -             | -             | -             | -             | -        | -            |
| Renewable Diesel Fuel .....                  | -             | -         | -            | -             | -             | -             | -             | -        | -            |
| Other Biofuels <sup>1</sup> .....            | -             | -         | -            | -             | -             | -             | -             | -        | -            |
| Finished Motor Gasoline .....                | 92            | 0         | 386          | 0             | 114           | 982           | 1,592         | 0        | 0            |
| Reformulated .....                           | -             | -         | -            | -             | -             | -             | -             | -        | -            |
| Reformulated Blended with Fuel Ethanol ..... | -             | -         | -            | -             | -             | -             | -             | -        | -            |
| Reformulated Other .....                     | -             | -         | -            | -             | -             | -             | -             | -        | -            |
| Conventional .....                           | 92            | 0         | 386          | 0             | 114           | 982           | 1,592         | 0        | 0            |
| Conventional Blended with Fuel Ethanol ..... | -             | -         | -            | -             | -             | -             | -             | -        | -            |
| Ed55 and Lower .....                         | -             | -         | -            | -             | -             | -             | -             | -        | -            |
| Greater than Ed55 .....                      | -             | -         | -            | -             | -             | -             | -             | -        | -            |
| Conventional Other .....                     | 92            | 0         | 386          | 0             | 114           | 982           | 1,592         | 0        | 0            |
| Finished Aviation Gasoline .....             | -             | -         | -            | -             | -             | -             | -             | -        | -            |
| Kerosene-Type Jet Fuel .....                 | 405           | 0         | 81           | 0             | 813           | 11,031        | 602           | 0        | 203          |
| Kerosene .....                               | -             | 0         | 0            | 0             | -             | 37            | -             | -        | -            |
| Distillate Fuel Oil .....                    | 2,661         | 0         | 1,010        | 1,199         | 796           | 23,694        | 3,074         | 0        | 906          |
| 15 ppm sulfur and under .....                | 2,661         | 0         | 1,010        | 1,199         | 796           | 23,046        | 3,049         | 0        | 906          |
| Greater than 15 ppm to 500 ppm sulfur .....  | 0             | 0         | 0            | 0             | -             | 1             | 25            | -        | -            |
| Greater than 500 ppm sulfur .....            | -             | -         | -            | -             | -             | -             | -             | -        | -            |
| Residual Fuel Oil .....                      | -             | -         | -            | -             | -             | -             | -             | -        | -            |
| Miscellaneous Products .....                 | -             | -         | -            | -             | -             | -             | -             | -        | -            |
| <b>Total</b> .....                           | <b>17,532</b> | <b>20</b> | <b>7,918</b> | <b>87,176</b> | <b>21,217</b> | <b>82,399</b> | <b>36,496</b> | <b>0</b> | <b>4,900</b> |

See footnotes at end of table.

**Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, October 2022**  
(Thousand Barrels) — Continued

| Commodity                                    | From 4 to |               |              |              | From 5 to |          |
|----------------------------------------------|-----------|---------------|--------------|--------------|-----------|----------|
|                                              | 1         | 2             | 3            | 5            | 3         | 4        |
| <b>Crude Oil</b> .....                       | <b>0</b>  | <b>26,438</b> | <b>262</b>   | <b>—</b>     | <b>0</b>  | <b>0</b> |
| <b>Petroleum Products</b> .....              | <b>0</b>  | <b>22,719</b> | <b>4,392</b> | <b>1,570</b> | <b>0</b>  | <b>0</b> |
| Natural Gas Liquids .....                    | 0         | 21,718        | 4,392        | —            | 0         | 0        |
| Ethane .....                                 | 0         | 6,816         | 1,590        | —            | 0         | 0        |
| Propane .....                                | 0         | 7,697         | 1,324        | —            | 0         | 0        |
| Normal Butane .....                          | 0         | 3,175         | 524          | —            | 0         | 0        |
| Isobutane .....                              | 0         | 1,239         | 314          | —            | 0         | 0        |
| Natural Gasoline .....                       | 0         | 2,791         | 640          | —            | 0         | 0        |
| Motor Gasoline Blending Components .....     | 0         | 175           | 0            | 1,207        | 0         | 0        |
| Reformulated - RBOB .....                    | 0         | 0             | 0            | 0            | 0         | —        |
| Conventional .....                           | 0         | 175           | 0            | 1,207        | 0         | 0        |
| CBOB .....                                   | 0         | 175           | 0            | 1,207        | 0         | 0        |
| GTAB .....                                   | —         | —             | —            | —            | —         | —        |
| Other .....                                  | 0         | 0             | 0            | —            | 0         | —        |
| Biofuels (including Fuel Ethanol) .....      | —         | —             | —            | —            | —         | —        |
| Fuel Ethanol .....                           | —         | —             | —            | —            | —         | —        |
| Biodiesel .....                              | —         | —             | —            | —            | —         | —        |
| Renewable Diesel Fuel .....                  | —         | —             | —            | —            | —         | —        |
| Other Biofuels <sup>1</sup> .....            | —         | —             | —            | —            | —         | —        |
| Finished Motor Gasoline .....                | 0         | 432           | 0            | 92           | 0         | 0        |
| Reformulated .....                           | —         | —             | —            | —            | —         | —        |
| Reformulated Blended with Fuel Ethanol ..... | —         | —             | —            | —            | —         | —        |
| Reformulated Other .....                     | —         | —             | —            | —            | —         | —        |
| Conventional .....                           | 0         | 432           | 0            | 92           | 0         | 0        |
| Conventional Blended with Fuel Ethanol ..... | —         | —             | —            | —            | —         | —        |
| Ed55 and Lower .....                         | —         | —             | —            | —            | —         | —        |
| Greater than Ed55 .....                      | —         | —             | —            | —            | —         | —        |
| Conventional Other .....                     | 0         | 432           | 0            | 92           | 0         | 0        |
| Finished Aviation Gasoline .....             | —         | —             | —            | —            | —         | —        |
| Kerosene-Type Jet Fuel .....                 | 0         | 30            | 0            | 8            | 0         | 0        |
| Kerosene .....                               | 0         | —             | 0            | —            | 0         | —        |
| Distillate Fuel Oil .....                    | 0         | 364           | 0            | 263          | 0         | 0        |
| 15 ppm sulfur and under .....                | 0         | 364           | 0            | 263          | 0         | 0        |
| Greater than 15 ppm to 500 ppm sulfur .....  | 0         | 0             | 0            | —            | 0         | —        |
| Greater than 500 ppm sulfur .....            | —         | —             | —            | —            | —         | —        |
| Residual Fuel Oil .....                      | —         | —             | —            | —            | —         | —        |
| Miscellaneous Products .....                 | —         | —             | —            | —            | —         | —        |
| <b>Total</b> .....                           | <b>0</b>  | <b>49,157</b> | <b>4,654</b> | <b>1,570</b> | <b>0</b>  | <b>0</b> |

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Data source: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report."

**Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, October 2022**  
(Thousand Barrels)

| Commodity                                        | From 1 to  |          |          | From 2 to    |              |          |
|--------------------------------------------------|------------|----------|----------|--------------|--------------|----------|
|                                                  | 2          | 3        | 5        | 1            | 3            | 5        |
| <b>Crude Oil</b> .....                           | <b>157</b> | <b>0</b> | <b>—</b> | <b>314</b>   | <b>0</b>     | <b>—</b> |
| <b>Petroleum Products</b> .....                  | <b>40</b>  | <b>0</b> | <b>0</b> | <b>1,212</b> | <b>2,989</b> | <b>0</b> |
| Natural Gas Liquids .....                        | —          | 0        | —        | 0            | 0            | —        |
| Ethane .....                                     | —          | —        | —        | —            | —            | —        |
| Propane .....                                    | —          | 0        | —        | 0            | 0            | —        |
| Normal Butane .....                              | —          | —        | —        | —            | —            | —        |
| Isobutane .....                                  | —          | —        | —        | —            | —            | —        |
| Natural Gasoline .....                           | —          | —        | —        | —            | —            | —        |
| Unfinished Oils .....                            | 40         | 0        | —        | 0            | 1,064        | —        |
| Motor Gasoline Blending Components .....         | 0          | 0        | —        | 489          | 159          | —        |
| Reformulated - RBOB .....                        | —          | —        | —        | —            | —            | —        |
| Conventional .....                               | 0          | 0        | —        | 489          | 159          | —        |
| CBOB .....                                       | 0          | 0        | —        | 489          | 54           | —        |
| GTAB .....                                       | —          | —        | —        | —            | —            | —        |
| Other .....                                      | 0          | 0        | —        | 0            | 105          | —        |
| Biofuels (including Fuel Ethanol) .....          | 0          | 0        | 0        | 185          | 621          | 0        |
| Fuel Ethanol .....                               | 0          | 0        | —        | 185          | 581          | —        |
| Biodiesel .....                                  | 0          | 0        | —        | —            | 40           | —        |
| Renewable Diesel Fuel .....                      | —          | 0        | 0        | —            | 0            | 0        |
| Other Biofuels <sup>1</sup> .....                | —          | —        | —        | —            | —            | —        |
| Finished Motor Gasoline .....                    | 0          | 0        | —        | 54           | 31           | —        |
| Reformulated .....                               | —          | —        | —        | —            | —            | —        |
| Reformulated Blended with Fuel Ethanol .....     | —          | —        | —        | —            | —            | —        |
| Reformulated Other .....                         | —          | —        | —        | —            | —            | —        |
| Conventional .....                               | 0          | 0        | —        | 54           | 31           | —        |
| Conventional Blended with Fuel Ethanol .....     | —          | —        | —        | —            | —            | —        |
| Ed55 and Lower .....                             | —          | —        | —        | —            | —            | —        |
| Greater than Ed55 .....                          | —          | —        | —        | —            | —            | —        |
| Conventional Other .....                         | 0          | 0        | —        | 54           | 31           | —        |
| Finished Aviation Gasoline .....                 | 0          | 0        | —        | 0            | 0            | —        |
| Kerosene-Type Jet Fuel .....                     | 0          | 0        | —        | 0            | 0            | —        |
| Kerosene .....                                   | —          | —        | —        | —            | —            | —        |
| Distillate Fuel Oil .....                        | 0          | 0        | —        | 382          | 51           | —        |
| 15 ppm sulfur and under .....                    | 0          | 0        | —        | 382          | 51           | —        |
| Greater than 15 ppm to 500 ppm sulfur .....      | —          | —        | —        | —            | —            | —        |
| Greater than 500 ppm sulfur .....                | —          | 0        | —        | 0            | 0            | —        |
| Residual Fuel Oil .....                          | 0          | 0        | —        | —            | 813          | —        |
| Less than 0.31 percent sulfur .....              | 0          | 0        | —        | —            | 179          | —        |
| 0.31 to 1.00 percent sulfur .....                | 0          | 0        | —        | —            | 106          | —        |
| Greater than 1.00 percent sulfur .....           | 0          | 0        | —        | —            | 528          | —        |
| Petrochemical Feedstocks .....                   | 0          | 0        | —        | —            | 138          | —        |
| Naphtha for Petrochemical Feedstock Use .....    | 0          | 0        | —        | —            | 138          | —        |
| Other Oils for Petrochemical Feedstock Use ..... | —          | —        | —        | —            | —            | —        |
| Special Naphthas .....                           | 0          | 0        | —        | —            | 0            | —        |
| Lubricants .....                                 | 0          | 0        | —        | 0            | 0            | —        |
| Waxes .....                                      | —          | —        | —        | —            | —            | —        |
| Marketable Petroleum Coke .....                  | —          | —        | —        | —            | —            | —        |
| Asphalt and Road Oil .....                       | 0          | 0        | —        | 102          | 112          | —        |
| Miscellaneous Products .....                     | 0          | 0        | —        | —            | 0            | —        |
| <b>Total</b> .....                               | <b>197</b> | <b>0</b> | <b>0</b> | <b>1,526</b> | <b>2,989</b> | <b>0</b> |

See footnotes at end of table.



**Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, October 2022**  
(Thousand Barrels) — Continued

| Commodity                                        | From 3 to     |             |                  |                |            |            | From 5 to |          |          |
|--------------------------------------------------|---------------|-------------|------------------|----------------|------------|------------|-----------|----------|----------|
|                                                  | 1             | New England | Central Atlantic | Lower Atlantic | 2          | 5          | 1         | 2        | 3        |
| <b>Crude Oil</b> .....                           | <b>2,218</b>  | —           | <b>2,218</b>     | —              | <b>0</b>   | —          | <b>0</b>  | <b>0</b> | <b>0</b> |
| <b>Petroleum Products</b> .....                  | <b>23,788</b> | <b>10</b>   | <b>195</b>       | <b>23,583</b>  | <b>723</b> | <b>530</b> | <b>0</b>  | <b>0</b> | <b>0</b> |
| Natural Gas Liquids .....                        | 45            | —           | —                | 45             | —          | —          | 0         | —        | 0        |
| Ethane .....                                     | —             | —           | —                | —              | —          | —          | —         | —        | —        |
| Propane .....                                    | 45            | —           | —                | 45             | —          | —          | 0         | —        | 0        |
| Normal Butane .....                              | —             | —           | —                | —              | —          | —          | —         | —        | —        |
| Isobutane .....                                  | —             | —           | —                | —              | —          | —          | —         | —        | —        |
| Natural Gasoline .....                           | —             | —           | —                | —              | —          | —          | —         | —        | —        |
| Unfinished Oils .....                            | 10            | —           | 10               | —              | 35         | —          | 0         | 0        | 0        |
| Motor Gasoline Blending Components .....         | 13,982        | —           | —                | 13,982         | 0          | —          | 0         | 0        | 0        |
| Reformulated - RBOB .....                        | —             | —           | —                | —              | —          | —          | —         | —        | —        |
| Conventional .....                               | 13,982        | —           | —                | 13,982         | 0          | —          | 0         | 0        | 0        |
| CBOB .....                                       | 13,938        | —           | —                | 13,938         | 0          | —          | 0         | 0        | 0        |
| GTAB .....                                       | —             | —           | —                | —              | —          | —          | —         | —        | —        |
| Other .....                                      | 44            | —           | —                | 44             | 0          | —          | 0         | 0        | 0        |
| Biofuels (including Fuel Ethanol) .....          | 0             | —           | —                | —              | 0          | 530        | 0         | 0        | 0        |
| Fuel Ethanol .....                               | 0             | —           | —                | —              | 0          | —          | 0         | 0        | 0        |
| Biodiesel .....                                  | —             | —           | —                | —              | 0          | —          | —         | 0        | 0        |
| Renewable Diesel Fuel .....                      | —             | —           | —                | —              | —          | 530        | —         | —        | 0        |
| Other Biofuels <sup>1</sup> .....                | —             | —           | —                | —              | —          | —          | —         | —        | —        |
| Finished Motor Gasoline .....                    | 987           | —           | —                | 987            | 113        | —          | 0         | 0        | 0        |
| Reformulated .....                               | —             | —           | —                | —              | —          | —          | —         | —        | —        |
| Reformulated Blended with Fuel Ethanol .....     | —             | —           | —                | —              | —          | —          | —         | —        | —        |
| Reformulated Other .....                         | —             | —           | —                | —              | —          | —          | —         | —        | —        |
| Conventional .....                               | 987           | —           | —                | 987            | 113        | —          | 0         | 0        | 0        |
| Conventional Blended with Fuel Ethanol .....     | —             | —           | —                | —              | —          | —          | —         | —        | —        |
| Ed55 and Lower .....                             | —             | —           | —                | —              | —          | —          | —         | —        | —        |
| Greater than Ed55 .....                          | —             | —           | —                | —              | —          | —          | —         | —        | —        |
| Conventional Other .....                         | 987           | —           | —                | 987            | 113        | —          | 0         | 0        | 0        |
| Finished Aviation Gasoline .....                 | 117           | 10          | 32               | 75             | 45         | —          | 0         | 0        | 0        |
| Kerosene-Type Jet Fuel .....                     | 3,704         | —           | —                | 3,704          | 60         | —          | 0         | 0        | 0        |
| Kerosene .....                                   | —             | —           | —                | —              | —          | —          | —         | —        | —        |
| Distillate Fuel Oil .....                        | 4,424         | —           | —                | 4,424          | 156        | —          | 0         | 0        | 0        |
| 15 ppm sulfur and under .....                    | 4,176         | —           | —                | 4,176          | 156        | —          | 0         | 0        | 0        |
| Greater than 15 ppm to 500 ppm sulfur .....      | —             | —           | —                | —              | —          | —          | —         | —        | —        |
| Greater than 500 ppm sulfur .....                | 248           | —           | —                | 248            | —          | —          | 0         | —        | 0        |
| Residual Fuel Oil .....                          | —             | —           | —                | —              | 1          | —          | —         | 0        | 0        |
| Less than 0.31 percent sulfur .....              | —             | —           | —                | —              | 0          | —          | —         | 0        | 0        |
| 0.31 to 1.00 percent sulfur .....                | —             | —           | —                | —              | 0          | —          | —         | 0        | 0        |
| Greater than 1.00 percent sulfur .....           | —             | —           | —                | —              | 1          | —          | —         | 0        | 0        |
| Petrochemical Feedstocks .....                   | —             | —           | —                | —              | 25         | —          | —         | 0        | 0        |
| Naphtha for Petrochemical Feedstock Use .....    | —             | —           | —                | —              | 25         | —          | —         | 0        | 0        |
| Other Oils for Petrochemical Feedstock Use ..... | —             | —           | —                | —              | —          | —          | —         | —        | —        |
| Special Naphthas .....                           | —             | —           | —                | —              | 15         | —          | —         | 0        | 0        |
| Lubricants .....                                 | 389           | —           | 153              | 236            | 161        | —          | 0         | 0        | 0        |
| Waxes .....                                      | —             | —           | —                | —              | —          | —          | —         | —        | —        |
| Marketable Petroleum Coke .....                  | —             | —           | —                | —              | —          | —          | —         | —        | —        |
| Asphalt and Road Oil .....                       | 130           | —           | —                | 130            | 106        | —          | 0         | 0        | 0        |
| Miscellaneous Products .....                     | —             | —           | —                | —              | 6          | —          | —         | 0        | 0        |
| <b>Total</b> .....                               | <b>26,006</b> | <b>10</b>   | <b>2,413</b>     | <b>23,583</b>  | <b>723</b> | <b>530</b> | <b>0</b>  | <b>0</b> | <b>0</b> |

— = No Data Reported.

<sup>1</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Data source: Energy Information Administration (EIA) Form EIA-817, "Monthly Tanker and Barge Movements Report."

**Table 60. Movements of Crude Oil and Selected Products by Rail Between PAD Districts, October 2022**  
(Thousand Barrels)

| Commodity                       | From 1 to |    |   |   | From 2 to |       |     |       |
|---------------------------------|-----------|----|---|---|-----------|-------|-----|-------|
|                                 | 2         | 3  | 4 | 5 | 1         | 3     | 4   | 5     |
| Crude Oil .....                 | 0         | 0  | 0 | 0 | 435       | 0     | 0   | 2,164 |
| Propane .....                   | 87        | 29 | 0 | 0 | 700       | 206   | 0   | 342   |
| Propylene .....                 | 0         | 0  | – | – | 333       | 382   | –   | –     |
| Normal Butane .....             | 67        | 0  | 0 | 0 | 292       | 24    | 0   | 470   |
| Isobutane .....                 | 119       | 41 | 0 | 0 | 21        | 21    | 0   | 42    |
| Fuel Ethanol .....              | 0         | 0  | 0 | 0 | 9,011     | 4,948 | 440 | 3,594 |
| Biodiesel .....                 | 0         | 0  | 0 | 0 | 133       | 194   | 29  | 379   |
| Marketable Petroleum Coke ..... | 0         | 12 | 0 | 0 | 218       | 310   | 13  | 16    |
| Asphalt and Road Oil .....      | 43        | 0  | 0 | 0 | 713       | 147   | 5   | 183   |

| Commodity                       | From 3 to |     |   |     | From 4 to |     |     |     |
|---------------------------------|-----------|-----|---|-----|-----------|-----|-----|-----|
|                                 | 1         | 2   | 4 | 5   | 1         | 2   | 3   | 5   |
| Crude Oil .....                 | 0         | 0   | 0 | 0   | 0         | 0   | 773 | 0   |
| Propane .....                   | 257       | 149 | 0 | 0   | 0         | 0   | 0   | 54  |
| Propylene .....                 | 0         | 0   | – | –   | 0         | 0   | 0   | –   |
| Normal Butane .....             | 31        | 136 | 0 | 15  | 0         | 0   | 0   | 192 |
| Isobutane .....                 | 1         | 223 | 0 | 103 | 0         | 0   | 0   | 57  |
| Fuel Ethanol .....              | 0         | 0   | 0 | 639 | 0         | 0   | 0   | 43  |
| Biodiesel .....                 | 0         | 0   | 0 | 95  | 0         | 0   | 0   | 0   |
| Marketable Petroleum Coke ..... | 102       | 55  | 0 | 6   | 0         | 177 | 111 | 110 |
| Asphalt and Road Oil .....      | 145       | 33  | 5 | 103 | 0         | 109 | 129 | 263 |

| Commodity                       | From 5 to |   |   |    |
|---------------------------------|-----------|---|---|----|
|                                 | 1         | 2 | 3 | 4  |
| Crude Oil .....                 | 0         | 0 | 0 | 0  |
| Propane .....                   | 0         | 0 | 0 | 0  |
| Propylene .....                 | 0         | 0 | 0 | –  |
| Normal Butane .....             | 0         | 0 | 0 | 0  |
| Isobutane .....                 | 0         | 0 | 0 | 0  |
| Fuel Ethanol .....              | 0         | 0 | 0 | 0  |
| Biodiesel .....                 | 0         | 0 | 0 | 0  |
| Marketable Petroleum Coke ..... | 0         | 3 | 0 | 6  |
| Asphalt and Road Oil .....      | 0         | 0 | 0 | 13 |

– = No Data Reported.  
Data source: Rail Movements are estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 61. Movements of Crude Oil by Pipeline, Tanker, Barge and Rail between PAD Districts, October 2022**  
(Thousand Barrels)

| PADD             | Pipeline | Tanker and Barge | Rail  | Total  |
|------------------|----------|------------------|-------|--------|
| <b>From 1 to</b> |          |                  |       |        |
| 2 .....          | 195      | 157              | 0     | 352    |
| 3 .....          | 20       | 0                | 0     | 20     |
| 4 .....          | 0        | —                | 0     | 0      |
| 5 .....          | —        | —                | 0     | 0      |
| <b>From 2 to</b> |          |                  |       |        |
| 1 .....          | 189      | 314              | 435   | 938    |
| 3 .....          | 52,166   | 0                | 0     | 52,166 |
| 4 .....          | 6,408    | —                | 0     | 6,408  |
| 5 .....          | —        | —                | 2,164 | 2,164  |
| <b>From 3 to</b> |          |                  |       |        |
| 1 .....          | 117      | 2,218            | 0     | 2,335  |
| 2 .....          | 19,620   | 0                | 0     | 19,620 |
| 4 .....          | 0        | —                | 0     | 0      |
| 5 .....          | —        | —                | 0     | 0      |
| <b>From 4 to</b> |          |                  |       |        |
| 1 .....          | 0        | 0                | 0     | 0      |
| 2 .....          | 26,438   | 0                | 0     | 26,438 |
| 3 .....          | 262      | 0                | 773   | 1,035  |
| 5 .....          | —        | —                | 0     | 0      |
| <b>From 5 to</b> |          |                  |       |        |
| 1 .....          | 0        | 0                | 0     | 0      |
| 2 .....          | 0        | 0                | 0     | 0      |
| 3 .....          | 0        | 0                | 0     | 0      |
| 4 .....          | 0        | —                | 0     | 0      |

— = No Data Reported.

Data source: Energy Information Administration (EIA) Forms EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail <sup>1</sup> Between PAD Districts, October 2022**  
(Thousand Barrels)

| Commodity                                  | PAD District 1 |               |                | PAD District 2 |                |                | PAD District 3 |                |                |
|--------------------------------------------|----------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|                                            | Receipts       | Shipments     | Net Receipts   | Receipts       | Shipments      | Net Receipts   | Receipts       | Shipments      | Net Receipts   |
| <b>Crude Oil</b>                           | <b>3,273</b>   | <b>372</b>    | <b>2,901</b>   | <b>46,410</b>  | <b>61,676</b>  | <b>-15,266</b> | <b>53,221</b>  | <b>21,955</b>  | <b>31,266</b>  |
| <b>Petroleum Products</b>                  | <b>126,970</b> | <b>17,775</b> | <b>109,195</b> | <b>58,894</b>  | <b>84,914</b>  | <b>-26,020</b> | <b>48,944</b>  | <b>131,197</b> | <b>-82,253</b> |
| Natural Gas Liquids                        | 8,778          | 7,752         | 1,026          | 38,235         | 51,146         | -12,911        | 37,055         | 11,012         | 26,043         |
| Ethane                                     | 114            | 5,712         | -5,598         | 13,765         | 18,220         | -4,455         | 16,503         | 1,237          | 15,266         |
| Propane                                    | 6,987          | 1,112         | 5,875          | 10,887         | 18,748         | -7,861         | 10,766         | 4,134          | 6,632          |
| Normal Butane                              | 1,655          | 195           | 1,460          | 4,081          | 7,097          | -3,016         | 3,832          | 757            | 3,075          |
| Isobutane                                  | 22             | 465           | -443           | 2,636          | 2,066          | 570            | 1,762          | 1,077          | 685            |
| Natural Gasoline                           | 0              | 268           | -268           | 6,866          | 5,015          | 1,851          | 4,192          | 3,807          | 385            |
| Refinery Olefins                           | 333            | 0             | 333            | 0              | 715            | -715           | 382            | 0              | 382            |
| Ethylene                                   | 0              | 0             | -              | -              | -              | -              | 0              | 0              | -              |
| Propylene                                  | 333            | 0             | 333            | 0              | 715            | -715           | 382            | 0              | 382            |
| Normal Butylene                            | 0              | 0             | -              | 0              | 0              | -              | 0              | 0              | -              |
| Isobutylene                                | 0              | 0             | -              | 0              | 0              | -              | 0              | 0              | -              |
| Unfinished Oils                            | 10             | 40            | -30            | 75             | 1,064          | -989           | 1,064          | 45             | 1,019          |
| Motor Gasoline Blending Components         | 59,830         | 6,770         | 53,060         | 10,226         | 4,769          | 5,457          | 1,628          | 65,867         | -64,239        |
| Reformulated - RBOB                        | 6,656          | 0             | 6,656          | 1,058          | 273            | 785            | 273            | 9,858          | -9,585         |
| Conventional                               | 53,174         | 6,770         | 46,404         | 9,168          | 4,496          | 4,672          | 1,355          | 56,009         | -54,654        |
| CBOB                                       | 52,314         | 6,770         | 45,544         | 9,110          | 4,391          | 4,719          | 1,250          | 55,091         | -53,841        |
| GTAB                                       | 0              | 0             | -              | -              | -              | -              | 0              | 0              | -              |
| Other                                      | 860            | 0             | 860            | 58             | 105            | -47            | 105            | 918            | -813           |
| Biofuels (including Fuel Ethanol)          | 9,330          | 0             | 9,330          | 0              | 19,533         | -19,533        | 5,762          | 1,265          | 4,498          |
| Fuel Ethanol                               | 9,196          | 0             | 9,196          | 0              | 18,758         | -18,758        | 5,529          | 639            | 4,890          |
| Biodiesel                                  | 133            | 0             | 133            | 0              | 775            | -775           | 234            | 95             | 138            |
| Renewable Diesel Fuel                      | -              | -             | -              | 0              | 0              | -              | 0              | 530            | -530           |
| Other Biofuels <sup>2</sup>                | -              | -             | -              | 0              | 0              | -              | 0              | 0              | -              |
| Finished Motor Gasoline                    | 2,409          | 92            | 2,317          | 2,229          | 585            | 1,644          | 31             | 3,674          | -3,643         |
| Reformulated                               | 0              | 0             | -              | 0              | 0              | -              | 0              | 0              | -              |
| Reformulated Blended with Fuel Ethanol     | 0              | 0             | -              | 0              | 0              | -              | 0              | 0              | -              |
| Reformulated Other                         | 0              | 0             | -              | 0              | 0              | -              | 0              | 0              | -              |
| Conventional                               | 2,409          | 92            | 2,317          | 2,229          | 585            | 1,644          | 31             | 3,674          | -3,643         |
| Conventional Blended with Fuel Ethanol     | 0              | 0             | -              | 0              | 0              | -              | 0              | 0              | -              |
| Ed55 and Lower                             | 0              | 0             | -              | 0              | 0              | -              | 0              | 0              | -              |
| Greater than Ed55                          | 0              | 0             | -              | 0              | 0              | -              | 0              | 0              | -              |
| Conventional Other                         | 2,409          | 92            | 2,317          | 2,229          | 585            | 1,644          | 31             | 3,674          | -3,643         |
| Finished Aviation Gasoline                 | 117            | 0             | 117            | 45             | 0              | 45             | 0              | 162            | -162           |
| Kerosene-Type Jet Fuel                     | 14,816         | 405           | 14,411         | 1,097          | 894            | 203            | 0              | 15,600         | -15,600        |
| Kerosene                                   | 37             | 0             | 37             | 0              | 0              | -              | 0              | 37             | -37            |
| Distillate Fuel Oil                        | 29,510         | 2,661         | 26,849         | 6,255          | 3,438          | 2,817          | 1,250          | 32,254         | -31,004        |
| 15 ppm sulfur and under                    | 28,614         | 2,661         | 25,953         | 6,230          | 3,438          | 2,792          | 1,250          | 31,333         | -30,083        |
| Greater than 15 ppm to 500 ppm sulfur      | 1              | 0             | 1              | 25             | 0              | 25             | 0              | 26             | -26            |
| Greater than 500 ppm sulfur                | 895            | 0             | 895            | 0              | 0              | -              | 0              | 895            | -895           |
| Residual Fuel Oil                          | 0              | 0             | -              | 1              | 813            | -812           | 813            | 1              | 812            |
| Petrochemical Feedstocks                   | 0              | 0             | -              | 25             | 138            | -113           | 138            | 25             | 113            |
| Naphtha for Petrochemical Feedstock Use    | 0              | 0             | -              | 25             | 138            | -113           | 138            | 25             | 113            |
| Other Oils for Petrochemical Feedstock Use | -              | -             | -              | 0              | 0              | -              | 0              | 0              | -              |
| Special Naphthas                           | 0              | 0             | -              | 15             | 0              | 15             | 0              | 15             | -15            |
| Lubricants                                 | 389            | 0             | 389            | 161            | 0              | 161            | 0              | 550            | -550           |
| Waxes                                      | 0              | 0             | -              | 0              | 0              | -              | 0              | 0              | -              |
| Marketable Petroleum Coke                  | 320            | 12            | 308            | 234            | 557            | -323           | 433            | 163            | 270            |
| Asphalt and Road Oil                       | 1,091          | 43            | 1,048          | 290            | 1,262          | -972           | 388            | 522            | -134           |
| Miscellaneous Products                     | 0              | 0             | -              | 6              | 0              | 6              | 0              | 6              | -6             |
| <b>Total</b>                               | <b>130,242</b> | <b>18,147</b> | <b>112,096</b> | <b>105,304</b> | <b>146,590</b> | <b>-41,286</b> | <b>102,165</b> | <b>153,152</b> | <b>-50,987</b> |

See footnotes at end of table.

**Table 62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail <sup>1</sup> Between PAD Districts, October 2022**  
(Thousand Barrels) — Continued

| Commodity                                        | PAD District 4 |               |                | PAD District 5 |           |               |
|--------------------------------------------------|----------------|---------------|----------------|----------------|-----------|---------------|
|                                                  | Receipts       | Shipments     | Net Receipts   | Receipts       | Shipments | Net Receipts  |
| <b>Crude Oil</b> .....                           | <b>6,408</b>   | <b>27,473</b> | <b>-21,065</b> | <b>2,164</b>   | <b>0</b>  | <b>2,164</b>  |
| <b>Petroleum Products</b> .....                  | <b>15,320</b>  | <b>29,925</b> | <b>-14,606</b> | <b>13,707</b>  | <b>22</b> | <b>13,684</b> |
| Natural Gas Liquids .....                        | 10,980         | 26,413        | -15,433        | 1,275          | 0         | 1,275         |
| Ethane .....                                     | 3,193          | 8,406         | -5,213         | 0              | 0         | —             |
| Propane .....                                    | 4,033          | 9,075         | -5,042         | 396            | 0         | 396           |
| Normal Butane .....                              | 1,695          | 3,891         | -2,196         | 677            | 0         | 677           |
| Isobutane .....                                  | 596            | 1,610         | -1,014         | 202            | 0         | 202           |
| Natural Gasoline .....                           | 1,463          | 3,431         | -1,968         | 0              | 0         | —             |
| Refinery Olefins .....                           | 0              | 0             | —              | 0              | 0         | —             |
| Ethylene .....                                   | —              | —             | —              | —              | —         | —             |
| Propylene .....                                  | 0              | 0             | —              | 0              | 0         | —             |
| Normal Butylene .....                            | 0              | 0             | —              | 0              | 0         | —             |
| Isobutylene .....                                | 0              | 0             | —              | 0              | 0         | —             |
| Unfinished Oils .....                            | 0              | 0             | —              | 0              | 0         | —             |
| Motor Gasoline Blending Components .....         | 2,106          | 1,382         | 724            | 4,998          | 0         | 4,998         |
| Reformulated - RBOB .....                        | —              | —             | —              | 2,144          | 0         | 2,144         |
| Conventional .....                               | 2,106          | 1,382         | 724            | 2,854          | 0         | 2,854         |
| CBOB .....                                       | 2,106          | 1,382         | 724            | 2,854          | 0         | 2,854         |
| GTAB .....                                       | —              | —             | —              | —              | —         | —             |
| Other .....                                      | 0              | 0             | —              | 0              | 0         | —             |
| Biofuels (including Fuel Ethanol) .....          | 468            | 43            | 426            | 5,280          | 0         | 5,280         |
| Fuel Ethanol .....                               | 440            | 43            | 397            | 4,275          | 0         | 4,275         |
| Biodiesel .....                                  | 29             | 0             | 29             | 475            | 0         | 475           |
| Renewable Diesel Fuel .....                      | 0              | 0             | —              | 530            | 0         | 530           |
| Other Biofuels <sup>2</sup> .....                | 0              | 0             | —              | 0              | 0         | —             |
| Finished Motor Gasoline .....                    | 114            | 524           | -410           | 92             | 0         | 92            |
| Reformulated .....                               | 0              | 0             | —              | 0              | 0         | —             |
| Reformulated Blended with Fuel Ethanol .....     | 0              | 0             | —              | 0              | 0         | —             |
| Reformulated Other .....                         | —              | —             | —              | —              | —         | —             |
| Conventional .....                               | 114            | 524           | -410           | 92             | 0         | 92            |
| Conventional Blended with Fuel Ethanol .....     | 0              | 0             | —              | 0              | 0         | —             |
| Ed55 and Lower .....                             | 0              | 0             | —              | 0              | 0         | —             |
| Greater than Ed55 .....                          | 0              | 0             | —              | 0              | 0         | —             |
| Conventional Other .....                         | 114            | 524           | -410           | 92             | 0         | 92            |
| Finished Aviation Gasoline .....                 | 0              | 0             | —              | 0              | 0         | —             |
| Kerosene-Type Jet Fuel .....                     | 813            | 38            | 775            | 211            | 0         | 211           |
| Kerosene .....                                   | 0              | 0             | —              | 0              | 0         | —             |
| Distillate Fuel Oil .....                        | 796            | 627           | 169            | 1,169          | 0         | 1,169         |
| 15 ppm sulfur and under .....                    | 796            | 627           | 169            | 1,169          | 0         | 1,169         |
| Greater than 15 ppm to 500 ppm sulfur .....      | 0              | 0             | —              | 0              | 0         | —             |
| Greater than 500 ppm sulfur .....                | 0              | 0             | —              | 0              | 0         | —             |
| Residual Fuel Oil .....                          | 0              | 0             | —              | 0              | 0         | —             |
| Petrochemical Feedstocks .....                   | —              | —             | —              | 0              | 0         | —             |
| Naphtha for Petrochemical Feedstock Use .....    | —              | —             | —              | 0              | 0         | —             |
| Other Oils for Petrochemical Feedstock Use ..... | —              | —             | —              | —              | —         | —             |
| Special Naphthas .....                           | —              | —             | —              | 0              | 0         | —             |
| Lubricants .....                                 | 0              | 0             | —              | 0              | 0         | —             |
| Waxes .....                                      | 0              | 0             | —              | 0              | 0         | —             |
| Marketable Petroleum Coke .....                  | 19             | 398           | -378           | 133            | 10        | 123           |
| Asphalt and Road Oil .....                       | 23             | 501           | -478           | 549            | 13        | 536           |
| Miscellaneous Products .....                     | 0              | 0             | —              | 0              | 0         | —             |
| <b>Total</b> .....                               | <b>21,728</b>  | <b>57,398</b> | <b>-35,670</b> | <b>15,871</b>  | <b>22</b> | <b>15,848</b> |

— = No Data Reported.

<sup>1</sup> Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil include movements by rail. Movements of other products are by pipeline, tanker and barge only.

<sup>2</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Data source: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail net movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

## Appendix A

## District Descriptions and Maps

The following are the Refining Districts which make up the Petroleum Administration for Defense (PAD) Districts.

**PAD District I**

**East Coast:** The District of Columbia and the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New Jersey, Delaware, Maryland, Virginia, North Carolina, South Carolina, Georgia, Florida, and the following counties of the State of New York: Cayuga, Tompkins, Chemung, and all counties east and north thereof. Also the following counties in the State of Pennsylvania: Bradford, Sullivan, Columbia, Montour, Northumberland, Dauphin, York, and all counties east thereof.

**Appalachian No. 1:** The State of West Virginia and those parts of the States of Pennsylvania and New York not included in the East Coast District.

**Sub-PAD District I**

**New England:** The States of Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

**Central Atlantic:** The District of Columbia and the States of Delaware, Maryland, New Jersey, New York, and Pennsylvania.

**Lower Atlantic:** The States of Florida, Georgia, North Carolina, South Carolina, Virginia and West Virginia.

**PAD District II**

**Indiana-Illinois-Kentucky:** The States of Indiana, Illinois, Kentucky, Tennessee, Michigan, and Ohio.

**Minnesota-Wisconsin-North and South Dakota:** The States of Minnesota, Wisconsin, North Dakota, and South Dakota.

**Oklahoma-Kansas-Missouri:** The States of Oklahoma, Kansas, Missouri, Nebraska, and Iowa.

**PAD District III**

**Texas Inland:** The State of Texas except the Texas Gulf Coast District.

**Texas Gulf Coast:** The following counties of the State of Texas: Newton, Orange, Jefferson, Jasper, Tyler, Hardin, Liberty, Chambers, Polk, San Jacinto, Montgomery, Harris, Galveston, Waller, Fort Bend, Brazoria, Wharton, Matagorda, Jackson, Victoria, Calhoun, Refugio, Aransas, San Patricio, Nueces, Kleberg, Kenedy, Willacy, and Cameron.

**Louisiana Gulf Coast:** The following Parishes of the State of Louisiana: Vernon, Rapides, Avoyelles, Pointe Coupee, West Feliciana, East Feliciana, Saint Helena, Tangipahoa, Washington, and all Parishes south thereof. Also the following counties of the State of Mississippi: Pearl River, Stone, George, Hancock, Harrison, and Jackson. Also the following counties of the State of Alabama: Mobile and Baldwin.

**North Louisiana-Arkansas:** The State of Arkansas and those parts of the States of Louisiana, Mississippi, and Alabama not included in the Louisiana Gulf Coast District.

**New Mexico:** The State of New Mexico.

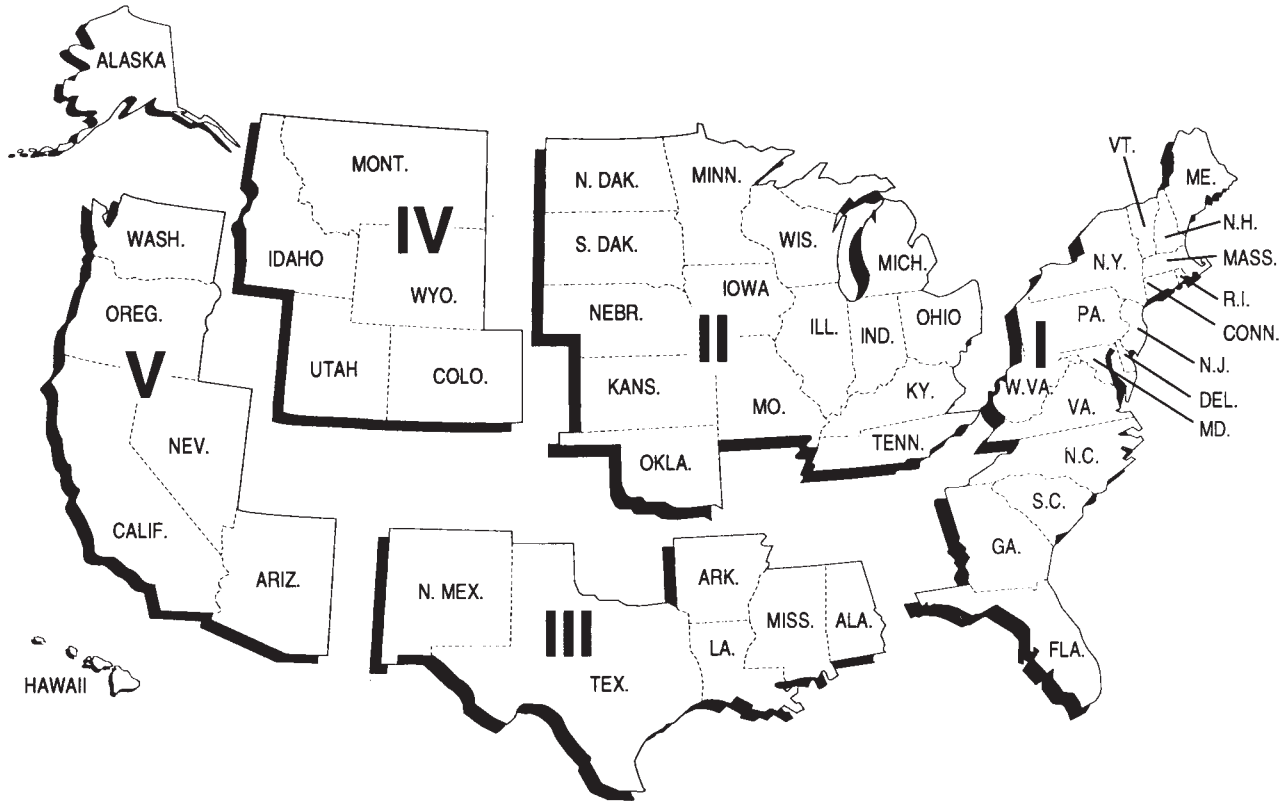
**PAD District IV**

**Rocky Mountain:** The States of Montana, Idaho, Wyoming, Utah, and Colorado.

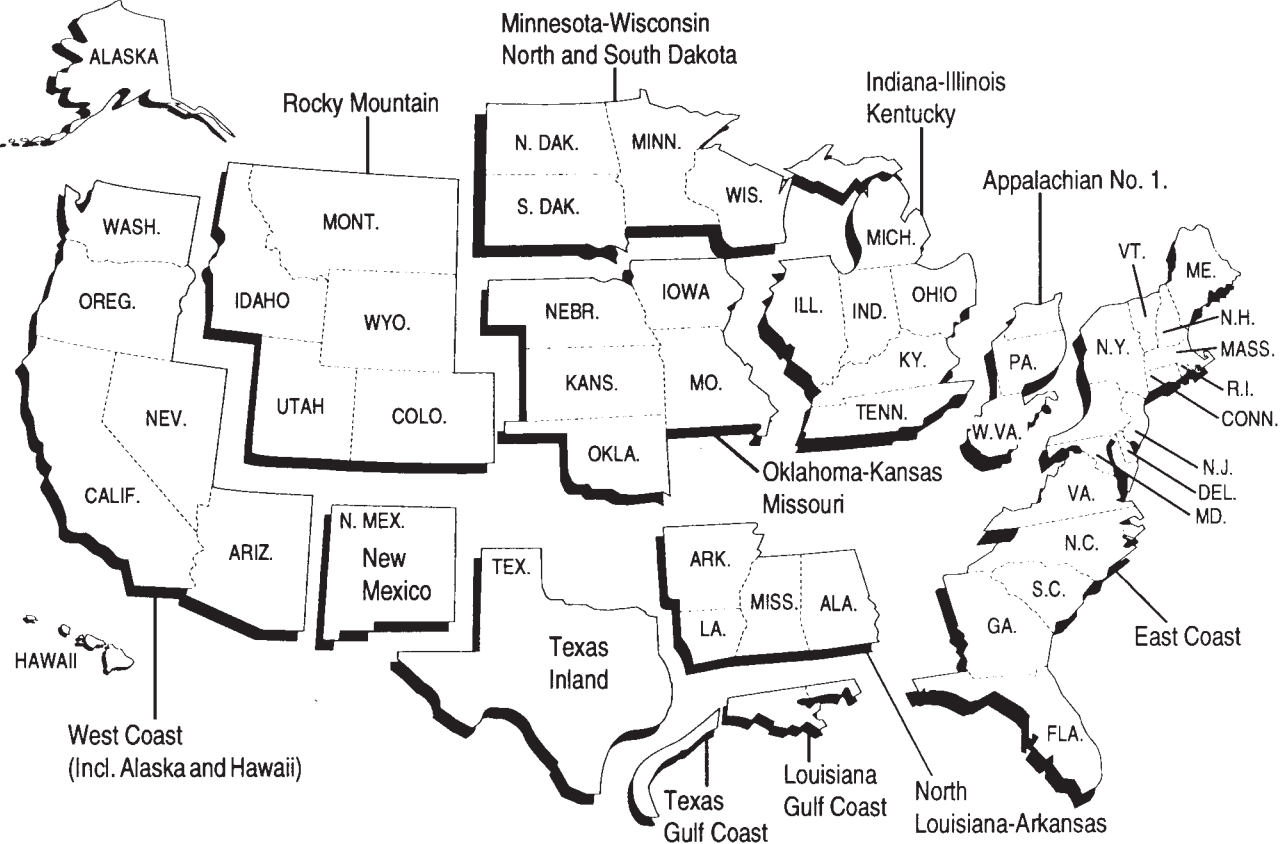
**PAD District V**

**West Coast:** The States of Washington, Oregon, California, Nevada, Arizona, Alaska, and Hawaii.

## Petroleum Administration for Defense (PAD) Districts



## Refining Districts



## Appendix B. Explanatory Notes

### Preface

The *Petroleum Supply Monthly* (PSM) and *Petroleum Supply Annual* (PSA) are reports produced by the Monthly Petroleum Supply Reporting System (MPSRS) operated by the U.S. Energy Information Administration (EIA). The PSM and PSA track supply and disposition of crude oil, hydrocarbon gas liquids, petroleum products, and biofuels.

Data presented in the PSM and PSA describe supply and disposition of crude oil, hydrocarbon gas liquids, petroleum products, and biofuels in the United States, and major U.S. geographic regions with selected data available at the state level. Data describe production, imports, exports, inter-Petroleum Administration for Defense District (PADD) movements, and inventories in the United States (50 States and the District of Columbia). The reporting universe includes operators engaged in primary supply activities including refining, motor gasoline blending, natural gas processing and fractionation, inter-PADD transportation, importers, and major inventory holders. When aggregated, data reported by operators in these sectors are used to derive consumption of petroleum products in the United States.

Monthly and year-to-date data are normally released in the PSM on the last business day of each month. Monthly data are available approximately 60 days after the end of each reference month. Revised monthly data and annual totals and averages are released in the PSA usually at the end of August each year.



## A. The Energy Information Administration's Quality Guidelines

Data contained in the *Petroleum Supply Monthly* (PSM) and *Petroleum Supply Annual* (PSA) are subject to information quality guidelines issued by the Office of Management and Budget (OMB), the Department of Energy (DOE), and Energy Information Administration (EIA). With available resources, EIA continually works to improve its systems in order to provide high quality information needed by public and private policymakers and decision makers. EIA has performance standards to ensure the quality (i.e., objectivity, utility, and integrity) of information it disseminates to the public. Quality is ensured and maximized at levels appropriate to the nature and timeliness of the disseminated information.

## B. Concepts of Product Supply and Demand

Petroleum supply estimates contained in the PSM and PSA are used for calculation of petroleum demand measured as product supplied. Product supplied is often called “implied” demand because it is a measure of demand that is implied by disappearance of petroleum product barrels from facilities and activities in the “primary” supply chain. Facilities and activities in the primary supply chain include refineries, bulk storage and blending terminals, natural gas processing plants and fractionators, biofuels and oxygenate production plants, imports, exports, and transportation by pipelines, tankers, barges, and railroads. Total product supplied at the U.S. level is equal to the sum of field production (including production of crude oil and natural gas liquids from natural gas processing plants), refinery and blender net production, biofuels plant net production, imports, and adjustments, minus the sum of stock change, refinery and blender net inputs, and exports. Net receipts are added to supply when product supplied is calculated for Petroleum Administration for Defense Districts (PADD). Crude oil product supplied is zero after September 1997 because crude oil is processed in refineries to produce fuels and other products rather than being used directly as fuel. Data include crude oil used directly as fuel between January 1981 and September 1997.

The secondary supply chain falls between primary supply and end-users. Product barrels typically flow in bulk quantities from primary supply into secondary supply before delivery to consumers. Fuels and other products held by consumers are considered to be in tertiary supply. Secondary supply facilities and activities include storage at bulk plants and retail outlets. Bulk plants are wholesale storage facilities that have less than 50,000 barrels of storage capacity and, as defined by EIA, receive product only by rail or truck, but not by barge, tanker, or pipeline. Tertiary inventories are held by end users and include fuel in vehicle tanks, heating oil in residential tanks, fuel oil held by utilities, fuel and nonfuel products held by end users, and certain proprietary storage of raw materials such as propane held at chemical plants for use as ethylene feedstock. EIA includes tertiary stocks of natural gas liquids (ethane, propane, normal butane, isobutane, and natural gasoline) held by storage operators with at least 50,000 barrels of storage capacity and capability to ship barrels by pipeline, tanker, or barge in primary stocks.

There is a delay between the time when barrels are reported as demand measured as product supplied and when the same barrels are actually consumed. The delay is due to the time required for barrels to move from primary supply through secondary and tertiary supply chains and ultimately to end users where the barrels are actually consumed as fuel, feedstock, or for other purposes. Users of demand measured as product supplied should expect product supplied to either anticipate or lag timing of actual petroleum consumption.

## C. Components of Supply and Disposition

The detailed statistics tables in the PSM provide complete supply and disposition information for the current month and year to date. The tables are organized to locate national and PADD supply and disposition data at the front followed by tables that contain detailed information on supply and disposition. These include tables on crude oil and petroleum product production, import/export data, stocks information, and lastly, data on crude oil and petroleum product movements. EIA provides the following discussion to assist with interpretation of supply and disposition tables 1-25. The [EIA glossary](#) contains definitions of products and other terms used on tables.

## (1.) Supply

a. **Field Production - Total Field Production** is the sum of crude oil production and natural gas liquids production (NGL) from natural gas processing plants.

Sources of crude oil production data include state government agencies, Department of the Interior, Bureau of Safety and Environmental Enforcement (and predecessor agencies), first purchase data reported on Form EIA-182, "Domestic Crude Oil First Purchase Report", and Form EIA-914 "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report. Refer to "Domestic Crude Oil Production" in Section 2C(1) for further details.

Field production of NGL is reported on Form EIA-816 and published on a net basis (i.e., production minus inputs).

b. **Biofuels Plant Net Production**— biofuels production included fuel ethanol beginning with data for January 2009, biodiesel beginning with data for January 2011, and biofuels (diesel, heating oil, jet, naphtha, gasoline, and other biofuels and biointermediates) beginning with data for January 2021. EIA included production of fuel oxygenates (ethyl tertiary butyl ether (ETBE), methyl tertiary butyl ether (MTBE), and other fuel oxygenates) as a component of the petroleum balance from January 2009 until December 2018. This supply category also includes net production of non-biofuel products, including petroleum-derived gasoline, distillate fuel oil, jet fuel, and kerosene and natural gas liquids, blended with biofuels as denaturants or for other purposes at biofuel producing plants. Negative production indicates the amount of a product produced during the month was less than the amount of that same product reported as input during the same month.

c. **Refinery and Blender Net Production**— Refinery and Blender Net Production is reported on Forms EIA-810 and EIA-815. Refinery and Blender Net Production equals refinery and blenders production minus refinery and blender inputs. Negative production of finished petroleum products will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month.

d. **Imports** - Imports include receipts of goods into the 50 States and the District of Columbia from U.S. possessions and territories from foreign countries.

e. **Net Receipts** — Net Receipts data are included in tables containing PAD District-level data to account for inter-PAD District movements of crude oil and petroleum products. Net receipts for a PAD District are calculated by subtracting shipments out of the PAD District from receipts into the PAD District. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge, and Rail between PAD Districts are shown in Table 62.

f. **Adjustments** — This column includes adjustment quantities for crude oil, fuel ethanol, motor gasoline blending components, hydrogen, and "other" hydrocarbons. EIA calculates adjustment quantities to balance supply and disposition or to reclassify one product to another product. EIA calculates product supplied as the balancing item for most products and a measure of implied demand for petroleum products. EIA uses adjustments as balance items in cases where it does not make sense to interpret the balancing item as demand. Reclassifications reported in the adjustments column may be implied by the supply and disposition balance or reported on surveys. Recall that supply at the U.S. level is equal to the sum of field production, biofuels plant net production, refinery and blender net production, imports, and adjustments. Disposition at the U.S. level is equal to the sum of stock change, refinery and blender net inputs, exports, and products supplied. At the PAD District level, supply components include net receipts equal to gross receipts from other PAD Districts minus gross shipments to other PAD Districts. In every case, supply must equal disposition. Applicable components of supply and disposition vary depending on the product or product group. Adjustment calculations that balance supply and disposition equal disposition minus supply for the U.S. and for each PAD District. EIA discontinued reporting adjustment quantities for non-fuel ethanol biofuels and distillate fuel oil beginning with data for January 2021. Beginning with data for January 2021, EIA uses product supplied as the balance quantity for biofuels excluding fuel ethanol.

a. **Stock Change**— Stock Change is calculated as the difference between the current month Ending Stocks column and the Ending Stocks column in the prior month's publication. A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.

b. **Refinery and Blender Net Inputs**— Refinery and Blender Net Inputs are inputs of crude oil and intermediate materials (unfinished oils, motor and aviation gasoline blending components, hydrocarbon gas liquids, hydrogen, biofuels, and other hydrocarbons) processed at refineries or blended at terminals to produce finished petroleum products.

Crude oil input represents total crude oil (domestic and foreign) input to atmospheric crude oil distillation units and other refinery processing units (e.g. vacuum distillation units).

Refinery and blender input of natural gas liquids equal gross input of natural gas liquids received from natural gas plants for blending and processing.

Inputs of unfinished oils, motor gasoline blending components, and aviation gasoline blending components are published on a net basis (i.e., refinery and blender input minus refinery and blender production). Negative inputs of unfinished oils and motor and aviation gasoline blending components will occur when the amount of a product produced during the month is greater than the amount of that same product that is input or reclassified to become another product during the same month.

c. **Exports** - Exports include shipments from the 50 States and the District of Columbia to Puerto Rico, the Virgin Islands, other U.S. possessions and territories and to foreign countries.

d. **Products Supplied** - Products supplied is a calculated measure of demand equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, (plus net receipts when calculated by PADD), plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Product supplied values indicate quantities of petroleum products supplied for domestic consumption. Occasionally, the result for a product is negative because total disposition of the product exceeds total supply. Negative product supplied may occur for a number of reasons: (1) product reclassification has not been reported; (2) data were misreported or reported late; (3) in the case of calculations on a PADD basis, the figure for net receipts was inaccurate because the coverage of inter-PADD movements was incomplete; and (4) products such as gasoline blending components and unfinished oils have entered the primary supply channels with their production not having been reported (e.g. unfinished oils received at refineries for processing from petrochemical plants).

EIA reported crude oil burned as fuel on leases and by pipelines as either distillate or residual fuel oil product supplied prior to January 1983. EIA reported crude oil product supplied equal to crude oil used directly as reported on Form EIA-813 "Monthly Crude Oil Report" from January 1983 through December 2009. EIA discontinued reporting crude oil used directly on Form EIA-813 after December 2009.

### (3.) Ending Stocks

Ending stocks are primary stocks of crude oil and petroleum products held in storage as of midnight on the last day of each month. Primary stocks include crude oil, hydrocarbon gas liquids, biofuels, and petroleum products held in storage at refineries, natural gas processing plants, pipelines, tank farms, biofuel production plants, and bulk terminals. Ending stocks also include stocks in transit by rail, truck, and water reported at destination facilities. EIA primary stocks include NGL (ethane, propane, normal butane, isobutane, and natural gasoline) held by end-user storage operators (i.e. tertiary storage) with at least 50,000 barrels of storage capacity and capability to ship barrels by pipeline, tanker.

Crude oil that is in-transit by water from Alaska and crude oil stored in the Strategic Petroleum Reserve is included. Primary Stocks exclude stocks of foreign origin that are held in bonded warehouse storage. Primary stocks of petroleum products also exclude secondary stocks held by dealers and jobbers and tertiary stocks (except stocks of NGL held by end users with storage capacity of at least 50,000 barrels and capability to ship NGL by pipeline, tanker, or barge) held by consumers. EIA excludes product stocks held as reserves by federal and state agencies are excluded from primary stock quantities reported in the PSM and PSA, but EIA provides stock quantities held in selected government reserves in Appendix D.

Primary stocks of crude oil included barrels held on crude oil producing sites (lease stocks) until June 2016. Primary stocks of crude oil excluded lease stocks beginning with release of PSM data for July 2016 on September 30, 2016. Historical crude oil stocks in on [eia.gov](http://eia.gov) were revised beginning with data for January 2005 to exclude lease stocks. Data may be accessed from the following locations on the EIA web site.

[http://www.eia.gov/dnav/pet/pet\\_sum\\_snd\\_d\\_nus\\_mbb1\\_m\\_cur.htm](http://www.eia.gov/dnav/pet/pet_sum_snd_d_nus_mbb1_m_cur.htm)

[http://www.eia.gov/dnav/pet/pet\\_sum\\_crdsnd\\_k\\_m.htm](http://www.eia.gov/dnav/pet/pet_sum_crdsnd_k_m.htm)

[http://www.eia.gov/dnav/pet/pet\\_stoc\\_typ\\_c\\_nus\\_EPC0\\_mbb1\\_m.htm](http://www.eia.gov/dnav/pet/pet_stoc_typ_c_nus_EPC0_mbb1_m.htm)

## 2. Components - Forms Discussions

The data presented in the *PSM* include data collected by the EIA on nine monthly petroleum supply surveys, export data obtained from the U. S. Bureau of the Census, and crude production data collected on Form EIA-914 as well as production data from State conservation agencies and the Minerals Management Service of the U. S. Department of Interior.

### A. Petroleum Supply Reporting System

The nine monthly petroleum supply surveys are part of the Petroleum Supply Reporting System (PSRS). The PSRS tracks the supply and disposition of crude oil, petroleum products, and hydrocarbon gas liquids in the United States. The PSRS is organized into two data collection subsystems: the Weekly Petroleum Supply Reporting System (WPSRS) and the Monthly Petroleum Supply Reporting System (MPSRS). The WPSRS processes the data from the six weekly surveys. The MPSRS includes eight monthly surveys and one annual survey. The survey forms that comprise the PSRS are:

1. EIA-800, "Weekly Refinery and Fractionator Report,"
2. EIA-802, "Weekly Product Pipeline Report,"
3. EIA-803, "Weekly Crude Oil Stocks Report,"
4. EIA-804, "Weekly Imports Report,"
5. EIA-805, "Weekly Bulk Terminal Report,"
6. EIA-809, "Weekly Oxygenate Report,"
7. EIA-22M, "Monthly Biodiesel Production Survey," (discontinued effective with data for October 2020)
8. EIA-810, "Monthly Refinery Report,"
9. EIA-812, "Monthly Product Pipeline Report,"
10. EIA-813, "Monthly Crude Oil Report,"
11. EIA-814, "Monthly Imports Report,"
12. EIA-815, "Monthly Bulk Terminal Report."
13. EIA-816, "Monthly Natural Gas Liquids Report"
14. EIA-817, "Monthly Tanker and Barge Movement Report"
15. EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene" (formerly "Monthly Oxygenate Report")
16. EIA-820, "Annual Refinery Report."

EIA administers weekly and monthly surveys at six key points along the petroleum and biofuel supply chain including refineries, fractionators, natural gas processing plants, bulk product storage and blending terminals, crude oil and product pipelines, crude oil stock holders, importers, and plants producing biofuels and fuel oxygenates. EIA also collects inter-PADD movements by pipelines, tankers, and barges using monthly surveys. Weekly surveys do not capture petroleum movements. EIA selects a sample of operators reporting on monthly surveys to also report

on weekly surveys.

Annual U.S. refinery capacity data are collected on the Form EIA-820, “Annual Refinery Report.” The EIA-820 data are published in the annual “Refinery Capacity Report.”

## **B. Monthly Supply Survey Description and Methodology**

### **(1.) Description of Surveys Forms**

Copies of the survey forms and instructions can be found at:

<https://www.eia.gov/survey/>

Form EIA-22M “Monthly Biodiesel Production Survey” collected data on biodiesel plant location, operating status, annual production capacity, monthly biodiesel and co-product production, stocks, input of feedstocks, alcohol, and catalysts, and biodiesel sales until data for September 2020. EIA discontinued Form EIA-22M effective with data for October 2020, and incorporated data previously collected on Form EIA-22M into Form EIA-819 “Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene.

Form EIA-810, “Monthly Refinery Report,” collects data on refinery input and capacity, sulfur content and API gravity of crude oil, and data on supply (beginning stocks, receipts, and production) and disposition (inputs, shipments, fuel use and losses, and ending stocks) of crude oil and refined products. Working and shell storage capacity for selected products is collected on an annual basis.

Form EIA-812, “Monthly Product Pipeline Report,” collects data on end-of-month stocks and movements of petroleum products transported by pipeline. Intermediate movements for pipeline systems operating in more than two PAD Districts are included.

Form EIA-813, “Monthly Crude Oil Report,” collects data on end-of-month stock levels of crude oil held in pipelines, and at tank farms operated by the reporting company, and Alaskan crude oil in transit by water. Data are reported by PADD including stocks held in the 50 states and the District of Columbia. In addition to stocks, EIA uses Form EIA-813 to collect inter-PADD movements of crude oil by pipeline. EIA collects movements for shipping and receiving PADDs with no intermediate PADD movements. EIA uses Form EIA-813 to collect annual storage capacity in data for the month of March.

Form EIA-814, “Monthly Imports Report,” collects data on imports of crude oil and petroleum products (1) into the 50 States and the District of Columbia, (2) into Puerto Rico, the Virgin Islands, and other U.S. possessions (Guam, Midway Islands, Wake Island, American Samoa, and Northern Mariana Islands), and (3) from Puerto Rico, the Virgin Islands, and other U.S. possessions into the 50 States and the District of Columbia. Imports into Foreign Trade Zones located in the 50 States and the District of Columbia are considered imports into the 50 States and the District of Columbia. The type of commodity, port of entry, country of origin, quantity (thousand barrels), sulfur percent by weight, API gravity, and name and location of the processing or storage facility are reported. Sulfur percent by weight is requested for crude oil, crude oil burned as fuel, and residual fuel oil only. API gravity is requested for crude oil only. The name and location of the processing or storage facility is requested for crude oil and unfinished oils only.

Form EIA-815, “Monthly Bulk Terminal Report,” collects data on the operations of all bulk terminals located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U. S. possessions. Beginning and end-of-month stocks, receipts, inputs, production, shipments, and fuel use and losses during the month are collected from operators of terminals. Working and shell storage capacity is collected on an annual basis.

Form EIA-816, “Monthly Natural Gas Liquids Report,” collects data on the operations of natural gas processing plants and fractionators. Beginning and end-of-month stocks, receipts, inputs, production, shipments, and plant fuel use and losses during the month are collected from operators of natural gas processing plants. End-of-month stocks are collected from fractionators.



Form EIA-817, “Monthly Tanker and Barge Movement Report,” collects data on the movements of crude oil and petroleum products between PAD Districts. Data are reported by shipping and receiving PAD District and sub-PAD District. Shipments to and from the Panama Canal are also included if the shipment was delivered to the Canal.

Form EIA-819, “Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane and Isooctene” collects facility-level data on oxygenate inputs, production, gasoline blending at ethanol plants, and end-of-month stocks. Beginning in October 2020 it also collects facility-level data on biodiesel and biofuels production and blending and end-of-month stocks. Plant operators report end-of-month stocks on site on a custody basis regardless of ownership as well as stocks in transit by rail, truck, and water to their plants.

## (2.) Frame

EIA maintains complete lists of respondents to its monthly surveys. Each survey has a list of companies and facilities required to submit petroleum activity data. This list is known as the survey frame. Frame maintenance procedures are used to monitor the status of petroleum companies and facilities currently contained in each survey frame as well as to identify new members to be added to the frame. As a result, all known petroleum supply organizations falling within the definition of “Who Must Submit” participate in the survey.

The activities for frames maintenance are conducted on an ongoing basis. Monthly frames maintenance procedures focus on examining industry periodicals that report changes in status (births, deaths, sales, mergers, and acquisitions) of petroleum facilities producing, transporting, importing, and/or storing crude oil and petroleum products. Augmenting these sources are articles in newspapers, notices from respondents, and information received from survey systems operated by other offices. Survey managers review these sources regularly to monitor changes in company operations and to develop lists of potential respondents. These activities assure coverage of the reporting universe and maintain accurate facility information on addresses and ownership.

Respondents to Form EIA-22M “Monthly Biodiesel Production Survey” included operators of plants that produce biodiesel meeting ASTM D 6751-07B specifications and used for commercial purposes. EIA discontinued using Form EIA-22M in October 2020 and replaced it with data collected on Form EIA-819 “Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene”.

Respondents to Form EIA-810, “Monthly Refinery Report” include operators of all operating and idle petroleum refineries located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam and other U.S. possessions.

Respondents to Form EIA-812, “Monthly Product Pipeline Report” include all product pipeline companies that carry petroleum products (including interstate, intrastate, and intra-company pipelines) in the 50 States and the District of Columbia.

Respondents to Form EIA-813, “Monthly Crude Oil Report” include all companies which carry or store 1,000 barrels or more of crude oil. Included in this survey are gathering and trunk pipeline companies (including interstate, intrastate, and intra-company pipelines), crude oil tank farm operators, and companies transporting Alaskan crude oil by water (to U.S. ports) in the 50 States and the District of Columbia.

Respondents to Form EIA-814, “Monthly Imports Report” include each importer of record (or Ultimate consignee in some situations regarding Canadian imports) that import crude oil or petroleum products (1) into the 50 States and the District of Columbia, (2) into Puerto Rico, the Virgin Islands and other U.S. possessions (Guam, Midway Islands, Wake Island, American Samoa, and Northern Mariana Islands), (3) into Foreign Trade Zones located in the 50 States and the District of Columbia and (4) from Puerto Rico, the Virgin Islands and other U.S. possessions into the 50 States and the District of Columbia. A report is required only if there has been an import during the month unless the importer has been selected as part of a sample to report every month regardless of activity.

Respondents to Form EIA-815, “Monthly Bulk Terminal Report” include operators of all bulk terminals located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U. S. possessions must report. A bulk terminal is primarily used for storage, marketing, and often blending of petroleum products and

has a total bulk storage capacity of 50,000 barrels or more, and/or receives petroleum products by tanker, barge, or pipeline. Bulk terminal facilities associated with a product pipeline are included. December 2022

Respondents to Form EIA-816, “Monthly Natural Gas Liquids Report” include operators of all facilities that extract liquid hydrocarbons from a natural gas stream (natural gas processing plant) and/or separate a liquid hydrocarbon stream into its component products (fractionator).

Respondents to Form EIA-817, “Monthly Tanker and Barge Movement Report” include all companies that have custody of crude oil or petroleum products transported by tanker or barge between Petroleum Administration for Defense Districts and all companies that have custody of crude oil or petroleum products originating from a PAD District and transported to the Panama Canal with the intent that the crude oil or petroleum products be further transported to another PAD District.

For purposes of this report, custody is defined as physical possession of crude oil or petroleum products on a company-owned tanker or barge. Also, companies that lease vessels or contract for the movement of crude oil or petroleum products on a tanker or barge between PAD Districts are considered to have custody.

Respondents to Form EIA-819, “Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene” include all operators of facilities that produce (manufacture or distill) fuel alcohol, biodiesel, renewable diesel, heating oil, jet fuel, naphtha, gasoline and other biofuels and biointermediates, isooctane, isooctene and fuel oxygenates other than fuel alcohol (including MTBE plants, petrochemical plants, and refineries that produce oxygenates as part of their operations) located in the 50 States and the District of Columbia.

### (3.) Collection

Survey data for the MPSRS are collected by Internet using secure file transfer, and electronic transmission. All respondents must submit their data by the 20th calendar day following the end of the report month. Receipt of the reports is monitored using an automated respondent mailing list. Telephone follow-up calls are made to nonrespondents prior to the publication deadline. Respondents who are chronically late (i.e., 3 consecutive months) are notified by EIA by certified letter.

### (4.) Processing and Micro Editing

Upon receipt, all reported data are transformed into a standard format and sent through a log-in and prescreening process to validate respondent control information and resolve any discrepancies. The data are then processed using generalized edit and imputation procedures. Automated editing procedures check current data for consistency with past data and for internal consistency (e.g., totals equal to the sums of the parts). After the edit failures are resolved and imputation performed for nonrespondents, preliminary tables are produced and used to identify anomalies. These tables show U.S. and PAD District estimates for the current month and the prior 4 years. Anomalies result in further review of respondent data which in turn may result in additional flagged data and imputation.

### (5.) Estimation and Imputation

The nine monthly supply surveys are census surveys. As such, the estimates using these data are the sum of the edited, reported data. Where possible, EIA uses imputed values to account for activity when a company fails to file. Depending on the survey, imputed values may be estimates based on weekly reports, estimates equal to prior-month reported quantities, or estimates based on non-survey data (e.g. imports quantities may be imputed using data provided to EIA by U.S. Customs and Border Protection). Imputation normally accounts for very small quantities in published totals because response rates to monthly surveys tend to be very high, typically exceeding 98 percent calculated as total reports received divided by total reports expected.

Adjustments are made to aggregate data from time to time. For example, unusual industry conditions, including fuel transitions, business practice shifts, or hurricane dislocations, may generate reporting anomalies and require adjustments. Measurement error and frame deficiencies may occasionally result in inconsistencies when individual respondent data are aggregated to publication levels and require adjustment. Monthly supply data are reviewed throughout the year and some estimates may be replaced with newly available or resubmitted respondent data in

## (6.) Macro Editing

EIA compares data reported by individual companies and plants on monthly and weekly surveys. EIA uses these comparisons to identify cases where reporting companies responded differently to the same or similar questions on weekly and monthly surveys and then works with reporting companies to identify and address inconsistent or erroneous reporting on surveys. EIA also compares aggregate and other data with external sources in order to identify and correct potential errors in reporting or survey methodology. EIA makes additional comparisons of survey data with model results. EIA may use imputation to correct known and/or suspected errors in data reported in the Petroleum Supply Monthly and Petroleum Supply Annual.

## (7.) Dissemination

In most cases, EIA releases *PSM* data within 60 days of the close of the reference month. The *PSM* is available on the web at:

<http://www.eia.gov/petroleum/supply/monthly/>

Much of the *PSM* data are available in HTML format on [eia.gov](http://www.eia.gov). Features include: downloadable spreadsheets containing complete data history, data tables which “pivot” to present different perspectives, and selection boxes to easily change the product, area, process, period, and unit of measure. Petroleum data can be accessed at:

<http://www.eia.gov/petroleum/data.cfm>

## C. Derived Data

Due to the time constraints in publishing monthly petroleum supply statistics and the desire to reduce industry response burden, some of the statistics published in the *PSM* are obtained from sources other than the monthly supply surveys. These other sources include models to data and data from supplemental sources such as the Bureau of the Census.

### (1.) Domestic Crude Oil Production

The interim estimate of U.S., PAD District, and state oil production for the current reference month, published in Tables 1 through 26 of the *PSM*, are based on:

- (a.) crude oil production data from state government agencies and the Department of the Interior, Bureau of Safety and Environmental Enforcement;
- (b.) crude oil production data reported on Form EIA-914, “Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report.” For some states, EIA uses current reported data from the state (chiefly Alaska). For the states of Arkansas, California, Colorado, Kansas, Louisiana, Montana, New Mexico, North Dakota, Ohio, Oklahoma, Pennsylvania, Texas, Utah, West Virginia, Wyoming, and the Federal Gulf of Mexico, EIA calculates an estimate by modeling the relationship between final state-level data from DrillingInfo, a third-party vendor of well-level data collected by state agencies, and data reported on the EIA-914 survey using weighted least squares (WLS) linear regression. Additional explanation of the WLS estimation methodology is available. Estimates have to be made for crude oil production because complete and correct data from states may take from several months to over two years.
- (c.) first purchase data reported on Form EIA-182 “Domestic Crude Oil First Purchase Report.” For the remaining states and areas (Alabama, Arizona, Federal Pacific Offshore, Florida, Idaho, Illinois, Indiana, Kentucky, Maryland, Michigan, Mississippi, Missouri, Nebraska, Nevada, New York, Oregon, South Dakota, Tennessee, and Virginia) EIA calculates an estimate by using the average lagged ratio (ALR) of the state reported data to EIA-182 data, applied to the current EIA-182 data. Additional explanation of the ALR estimation methodology is available.



State-level production estimates are published in Table 26, “Production of Crude Oil by PAD District and State.” Table 26 contains estimates for crude oil production for state and federal offshore areas reported by state agencies and the Bureau of Safety and Environmental Enforcement or estimated by EIA using the ALR or WLS methods discussed above. Every month, the monthly crude oil production estimates are updated in Table 26 of the Petroleum Supply Monthly (<http://www.eia.gov/petroleum/supply/monthly/>) using reports from state agencies and the Bureau of Safety and Environmental Enforcement. The estimates are reported in the Petroleum Supply Monthly roughly 60 days after the production month.

## (2.) Exports

The U.S. Bureau of the Census compiles the official U.S. export statistics. Exporters are required to file a “Shipper’s Export Declaration Document” with the U.S. Census Bureau. Each month the EIA receives aggregated export statistics from the U.S. Bureau of the Census (EM-522 and EM-594). Census export statistics used in the PSM reflect both government and non-governmental exports of domestic and foreign merchandise from the United States (the 50 States and the District of Columbia) to foreign countries and U.S. possessions, without regard to whether or not the exportation involves a commercial transaction. The following types of transactions are excluded from the statistics:

- Merchandise shipped in transit through the United States from one foreign country to another, when documented as such with U.S. Customs.
- Bunker fuels and other supplies and equipment for use on departing vessels, planes, or other carriers engaged in foreign trade.

The country of destination is defined as the country of ultimate destination or the country where the goods are to be consumed, further processed, or manufactured, as known to the shipper at the time of exportation. If the shipper does not know the country of ultimate destination, the shipment is credited to the last country to which the shipper knows that the merchandise will be shipped in the same form as it was when exported.

## (3.) Movements of crude oil and select products by railroad

The volume of crude oil, ethanol, biodiesel, renewable diesel, propane, propylene, normal butane, isobutane, petroleum coke, and asphalt moving by railroad is calculated using several data sources including Carload Waybill Sample (CWS) data from the U.S. Surface Transportation Board (STB), data from the National Energy Board of Canada (NEB), data in EIA’s Oil and Gas Supply Module (OGSM) within the National Energy Modeling system (NEMS) for data prior to 2015, the EIA-914 survey starting in January 2015, and an estimation procedure developed by EIA for months in which these data are not available.

Additional data from the NEB, OGSM, and the EIA-914 are used for estimating factors for converting carloads to barrels of crude oil. Carloads of ethanol, biodiesel, renewable diesel, propane, propylene, normal butane, isobutane, petroleum coke, and asphalt are converted to barrels using data from the CWS.

The most current monthly STB waybill sample may not be received with sufficient lead time to be processed and included in the PSM publication. Further, STB aggregates and provides waybills based on the accounting period, while EIA is interested in the waybill date, which can differ by several months from the accounting period. In addition, waybills from non-Class I railroads might only be included in the sample for the last month of a calendar quarter. As a result, EIA may estimate anywhere from one to three months of rail movements, relying on historical averages or near-month model estimates for those months to be published in the PSM for which incomplete or no STB data are available.

Estimates of rail movements are subject to revision on a monthly basis as new, more complete, and more accurate data become available. Monthly revisions will typically affect data available on the EIA web site for the current year and up to two prior years. To the extent that revisions are needed to data more than 2 years in the past, these revisions will be made once a year at the time when Petroleum data html tables are updated with final data for a year.

#### (4.) Stocks of Crude Oil held on Producing Sites (Lease Stocks)

The adjustment for lease stocks was discontinued beginning with PSM data for July 2016 released on September 30, 2016 because EIA discontinued reporting crude oil stocks held on producing sites (lease stocks). The lease stock adjustment remains in all historical EIA lease stocks data.

This adjustment corrects for incomplete survey coverage of companies that store crude oil on leases. Up until 1983, monthly state government data on lease stocks were substituted for EIA data wherever possible in order to rectify the understatement of lease crude oil stocks. State data were available from three states - Texas, New Mexico, and Montana. To calculate the “lease adjustment,” a comparison between EIA reported data and the state government data was made and the difference added to the EIA data for the respective states.

In 1983, the EIA modified the Form EIA-813 to eliminate state data on crude oil stocks and began collecting crude oil stock data by Petroleum Administration for Defense (PAD) District. With this change, the “lease adjustment” could no longer be calculated on a state basis and was changed to a PAD District level. To adjust for this incomplete coverage, 10,300 thousand barrels of crude oil are added to PAD District 3 stocks and 330 thousand barrels are added to PAD District 4 stocks.

#### (5.) Trans-Alaska Pipeline System (TAPS) Natural Gas Liquids (NGL) Adjustment

The TAPS-NGPL adjustment corrects for overstatement of crude oil receipts and input at refineries due to NGL injection into Alaskan crude oil transported in TAPS. Natural gas processing plants in Alaska produce substantial volumes of NGPL that are added to crude oil transported through TAPS. Refiners have been unable to separate the volume of NGPL from Alaskan crude oil when reporting crude oil receipts and inputs to EIA. The TAPS-NGL adjustment subtracts Alaskan NGPL production reported by selected gas processing plant operators from crude oil receipts and inputs reported by refiners. Adjusted NGL production is added to refinery receipts and inputs of NGPL. The adjusted NGL barrels are allocated to PAD Districts based on the regional distribution of receipts of Alaskan crude oil. Data most affected by the TAPS- NGL adjustment are receipts and inputs of crude oil in PAD District 5 and receipts, inputs, and product supplied of butane and natural gasoline also in PAD District 5.

NGPL injections into crude oil transported in the TAPS started in 1987. The TAPS-NGL adjustment was first applied to revised data reported in the Petroleum Supply Annual (PSA) for 1988.

#### (6.) Finished Motor Gasoline Adjustment

Adjustment quantities for finished motor gasoline are the sum of motor gasoline blending components, fuel ethanol, and methyl tertiary butyl ether (MTBE) adjustments reclassified to finished motor gasoline. Finished motor gasoline adjustment quantities are assumed to reflect gasoline blending activity that was not reported on surveys.

**Note on MTBE Adjustment:** The MTBE portion of the gasoline adjustment described in this section was only applied to Petroleum Supply Monthly (PSM) data for 2009. The MTBE portion of the gasoline adjustment was discontinued after further examination of the issue made clear the MTBE adjustment was not helpful in forming an accurate statistical representation of U.S. and regional gasoline supplies. The MTBE adjustment was not applied to gasoline supply and disposition data in years prior to 2009, nor was it applied to revised data for 2009 published in the Petroleum Supply Annual or in years after 2009. This note only applies to MTBE adjustments. MTBE blending that was reported on EIA surveys is reflected in U.S. and regional gasoline supply and disposition data. Other adjustments to gasoline supply and disposition data to account for motor gasoline blending components and fuel ethanol remain as described in this section.

- Adjustment quantities for finished reformulated motor gasoline include adjustments for reformulated blendstock for oxygenate blending (RBOB) plus a percentage of gasoline treated as blendstock (GTAB), “other” motor gasoline blending components, fuel ethanol, and MTBE. The quantity of

GTAB and “other” motor gasoline blending components adjustments reclassified to finished reformulated motor gasoline is based on the ratio of finished reformulated motor gasoline net production divided by total finished motor gasoline net production reported on surveys by refiners and blenders in each PADD. Motor gasoline blending components adjustments reclassified to finished reformulated motor gasoline are further classified as blended with alcohol (i.e. fuel ethanol), blended with ether (i.e. MTBE), or non-oxygenated during 2009.

Starting with data for January 2010, motor gasoline blending component adjustment quantities were classified only as blended with fuel ethanol and “other”. During 2009, RBOB adjustment quantities were classified based on the product description that included reference to the oxygenate to be blended. Beginning with data for January 2010, all RBOB is reported in one product category without reference to specific oxygenates, and all RBOB adjustment quantities are assumed blended with fuel ethanol. During 2009, adjustment quantities for GTAB and “other” motor gasoline blending components reclassified to finished reformulated gasoline were further classified as blended with ether, blended with alcohol, or non-oxygenated based on the ratio of production of these products in reported survey data. After determining adjustment quantities of motor gasoline blending components reclassified to each type of finished reformulated motor gasoline, portions of the fuel ethanol and MTBE adjustments were reclassified to reformulated motor gasoline. The fuel ethanol quantity reclassified to finished reformulated motor gasoline was determined using the ratio of fuel ethanol blended into finished motor gasoline calculated from fuel ethanol blending data reported on survey forms by PADD. For example, if the calculated volumetric fuel ethanol blend ratio was 10%, then a quantity of the fuel ethanol adjustment sufficient to make a 10% blend with the available motor gasoline blending components is reclassified to finished reformulated motor gasoline, but the quantity of fuel ethanol cannot exceed the total quantity of the fuel ethanol adjustment. During 2009, a similar process was followed for allocating the MTBE adjustment to reformulated motor gasoline except the blend ratio was assumed to be 12% in all PADD. Starting with data for January 2010, the entire MTBE adjustment quantity is assumed to be blended with finished conventional motor gasoline.

- Adjustment quantities for finished conventional motor gasoline include adjustments for conventional blendstock for oxygenate blending (CBOB) plus the portion of GTAB, “other” motor gasoline blending components, fuel ethanol and MTBE adjustments that were not reclassified to finished reformulated motor gasoline. The total adjustment to finished conventional motor gasoline is further classified as finished conventional gasoline blended with fuel ethanol and “other” finished conventional motor gasoline. The quantity of the finished conventional motor gasoline adjustment reclassified as finished conventional motor gasoline blended with fuel ethanol is determined using the quantity of the fuel ethanol adjustment allocated to finished conventional motor gasoline and the fuel ethanol blend ratio calculated from fuel ethanol blending reported on surveys by PADD. For example, if the fuel ethanol blend ratio calculated from survey data was 10% in a PADD, then the total adjustment quantity of finished conventional motor gasoline in that PADD would be 10 times the fuel ethanol adjustment quantity allocated to finished conventional gasoline (i.e. the adjustment to finished conventional motor gasoline blended with fuel ethanol includes 10% fuel ethanol and 90% gasoline from the motor gasoline blending components adjustment). The MTBE adjustment allocated to finished conventional motor gasoline is simply added to the adjustment for “other” finished conventional motor gasoline.

- Fuel ethanol adjustment quantities frequently exceed the volume of fuel ethanol needed to achieve a blend ratio implied by blending activity reported by refiners and blenders on surveys when considering only the gasoline barrels available from the motor gasoline blending components adjustment. In this case, “other” finished conventional motor gasoline is reclassified by the adjustment to finished conventional motor gasoline blended with alcohol in order to maintain an ethanol blend ratio equal to the fuel ethanol blend ratio reported by refiners and blenders in each PADD.

## (7.) Motor Gasoline Blending Components Adjustment

Adjustment quantities for motor gasoline blending components at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports and biofuels plant net production (i.e. motor gasoline blending components use as denaturant for fuel ethanol production). Adjustment quantities by PADD equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, biofuels plant net production, and net receipts. Motor gasoline blending components adjustments are calculated for

reformulated blendstock for oxygenate blending (RBOB), conventional blendstock for oxygenate blending (CBOB), gasoline treated as blendstock (GTAB), and “other” motor gasoline blending components. Product supplied for motor gasoline blending components is assumed to always equal zero because there is no end-user demand for motor gasoline blending components as anything other than finished motor gasoline. Motor gasoline blending components adjustment quantities are assumed to reflect finished motor gasoline blending implied by the supply and disposition balance but not reported on surveys. Adjustment quantities for motor gasoline blending components are reclassified to finished motor gasoline and added to the finished motor gasoline adjustment.

#### (8.) Biofuels including Fuel Ethanol Adjustment

For data prior to January 2021, adjustment quantities for biofuels (including fuel ethanol) at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of biofuels plant net production and imports. Calculation of adjustment quantities by PADD depend on the product. Individual products include fuel ethanol, biodiesel, renewable diesel fuel, and other biofuels (e.g. bio-jet fuel). Product supplied for biofuels (including fuel ethanol) is assumed equal to zero. Adjustments for fuel ethanol and “other” biofuels are discussed separately below. Beginning with data for January 2021, EIA discontinued calculating adjustment quantities for biodiesel, renewable diesel fuel, and other biofuels (e.g. bio-jet fuel). EIA now includes these adjustment quantities as product supplied.

- Fuel ethanol adjustment quantities at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of biofuels plant net production and imports. Adjustment quantities by PADD equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, biofuels plant net production, and net receipts. Fuel ethanol adjustment quantities are assumed to reflect blending of fuel ethanol into finished motor gasoline that is implied by the available supply of fuel ethanol but not reported on surveys. Fuel ethanol adjustment volumes are reclassified to finished reformulated motor gasoline and finished conventional motor gasoline through finished motor gasoline adjustments.
- The product category called “biofuels (excluding fuel ethanol)” includes biodiesel, renewable diesel fuel, and other biofuels (e.g. bio-jet fuel). For PSM data prior to January 2012, EIA calculated adjustment quantities for biofuels (excluding fuel ethanol) at the U.S. and PADD levels equal to the sum of stock change, refinery and blender net input, and exports minus imports. Data for production of Biofuels (excluding Fuel Ethanol) was unavailable and was excluded from Biofuels Plant Net Production. Therefore the calculation of adjustments to Biofuels (excluding Fuel Ethanol) caused production to be included in the adjustment. Similarly, the calculation caused net inter-PADD movements (i.e. net receipts) by rail and truck to also be included in adjustments to biofuels (excluding fuel ethanol).

Beginning with PSM data for January 2012, and PSA data for 2011 through December, 2020 production of biodiesel reported on Form EIA-22M was included under the heading of “biofuels plant net production” in petroleum supply and disposition balances for “biofuels (excluding fuel ethanol)”. As a result, the adjustment for “biofuels (excluding fuel ethanol)” excludes production of biodiesel beginning with data for January 2012. Beginning with data for January 2010 EIA included rail movements of biodiesel in inter-PADD movements, and so rail movements were excluded from adjustment quantities.

- For data prior to January 2021, biodiesel adjustment quantities at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of biofuels plant net production and imports. Adjustment quantities by PADD equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, biofuels plant net production, and net receipts. Biodiesel adjustment quantities are assumed to reflect blending of biodiesel into distillate fuel oil that is implied by the available supply of biodiesel but not reported as input on surveys. Biodiesel adjustment volumes are reclassified to distillate fuel oil (15 ppms sulfur and under) through distillate fuel oil adjustments. EIA discontinued calculating biodiesel and distillate fuel oil adjustment quantities beginning with data for January 2021. EIA now includes barrels of biodiesel formerly reported in adjustment quantities as product supplied of biofuels (excluding fuel ethanol).

Beginning with PSM data for January 2021, EIA included production of renewable diesel, heating oil, jet

fuel, naphtha, gasoline, and other biofuels and biointermediates reported on Form EIA-819 under the heading of “biofuels plant net production” in petroleum supply and disposition balances for “biofuels (excluding fuel ethanol)”. EIA now reports barrels formerly included in adjustment quantities as product supplied.

#### (9.) Distillate Fuel Oil Adjustment

Adjustment quantities for distillate fuel oil show reclassification by pipeline operators of distillate fuel oil with sulfur content of 15 ppm and under to distillate fuel oil with sulfur content greater than 15 ppm to 500 ppm (inclusive). Reclassification may occur when distillate product with sulfur content of 15 ppm and under becomes mixed with products having higher sulfur content during pipeline transportation, storage, or handling. Adjustment quantities are reported by pipeline operators on Form EIA-812 “Monthly Product Pipeline Report.” This adjustment was discontinued after publication of data for December 2010.

For PSM data from January 2012 and PSA data from January 2011 through December 2020, EIA calculated distillate fuel oil adjustments equal to the opposite of biodiesel adjustment quantities described above in section 8. EIA added biodiesel adjustment quantities to supply of distillate fuel oil (15 ppm sulfur and under) and total distillate fuel oil. EIA assumed that distillate fuel oil adjustment quantities reflected biodiesel blending activity implied by biodiesel supply and disposition but not reported on surveys. Beginning with data for January 2021, EIA discontinued calculating and reporting distillate fuel oil adjustment quantities.

#### (10.) Crude Oil Adjustment

Adjustment quantities for crude oil are derived to balance crude oil supply and disposition. Crude oil product supplied was equal to crude oil used directly as reported on Form EIA-813 “Monthly Crude Oil Report” in data through December 2009. Reporting crude oil used directly was discontinued on Form EIA-813 after collection of data for December 2009. Crude oil product supplied is assumed equal to zero beginning with data for January 2010. Undercounting crude oil imports in survey data is one example of a typical cause of crude oil adjustments. This results in a positive crude oil adjustment because crude oil disposition (i.e. the sum of stock change, refiner inputs, and exports) will exceed available supply (i.e. the sum of field production and imports) due to import undercounting. Crude oil losses are included in crude oil adjustment quantities. The crude oil adjustment was formerly called unaccounted-for crude oil. The name change was effective with data for January 2005.

#### (11.) Other Hydrocarbon Adjustment

Adjustment quantities for “other” hydrocarbons equal the sum of stock change, refinery and blender net inputs and exports minus imports. “Other” hydrocarbons product supplied is assumed equal to zero. Adjustment quantities account for “other” hydrocarbons produced outside of refineries. There are no movements data collected on surveys for “other” hydrocarbons. Therefore, adjustment quantities include any net receipts of “other” hydrocarbons resulting from inter-PAD District movements.

#### (12.) Hydrogen Adjustment

Adjustment quantities for hydrogen equal refinery and blender net input of hydrogen. Hydrogen product supplied is assumed equal to zero. Adjustment quantities account for hydrogen supplied to U.S. refineries from non-refinery sources. There are no movements data collected on surveys for hydrogen. Therefore, adjustment quantities at the PAD District level include any net receipts of hydrogen resulting from inter-PAD District movements.

#### (13.) Oxygenates (excluding fuel ethanol) Adjustment

Adjustment quantities for oxygenates (excluding fuel ethanol) equal the sum of stock change, refinery and blender net inputs, and exports minus the sum of biofuels plant net production and imports. Product supplied for oxygenates (excluding fuel ethanol) is assumed equal to zero. Methyl tertiary butyl ether (MTBE) is the single largest component of oxygenates (excluding fuel ethanol). Beginning with PSA data for 2019, EIA excluded oxygenates supply and disposition from U.S. and regional balance tables.



### 3. Quality

#### A. General Discussion

##### (1.) Response Rates

The response rate is generally 98 to 100 percent. Average response rates for the monthly and weekly surveys are published in the annual PSM article “Accuracy of Petroleum Supply Data.” Chronic nonrespondents and late filing respondents are contacted in writing and reminded of their requirement to report. Companies that file late or fail to file are subject to criminal fines, civil penalties, and other sanctions as provided by Section 13(i) of the Federal Energy Administration (FEA) Act.

##### (2.) Non-sampling Errors

There are two types of errors usually associated with data produced from a survey; sampling errors and nonsampling errors. Because the estimates for the monthly surveys are based on a complete census of the frame, there is no sampling error in the data presented. The data, however, are subject to non-sampling errors. Non-sampling errors may arise from a number of sources including: (1) the inability to obtain data from all companies in the frame (non-response) and the method used to account for non-response, (2) response errors, (3) differences in the interpretation of questions or definitions, (4) mistakes in recording or coding of the data obtained from respondents, and (5) other errors of collection, response, coverage, processing, and estimation.

##### (3.) Resubmissions

Throughout the year, EIA accepts data revisions of monthly data. If a revision to a monthly submission is made after the PSM has been published, it is referred to as a resubmission. The final monthly values for the previous year are published in the PSA. These values reflect all PSM resubmissions and other data corrections. The values contained in the PSA are EIA’s most accurate measure of petroleum supply activity.

##### (4.) Revision Policy

EIA will publish revised monthly crude oil production estimates going back to the previously published Petroleum Supply Annual every month in petroleum data tables (<http://www.eia.gov/petroleum/supply/monthly/>). Once a year with the release of the Petroleum Supply Annual, EIA will revise up to 10 years of historical production estimates in petroleum data tables.

#### B. Data Assessment

The principal objective of the PSRS is to provide an accurate picture of petroleum industry activities and of the availability of petroleum products nationwide from primary distribution channels. The PSM preliminary monthly data serve as leading indicators of the final monthly data published in the PSA. The PSM monthly data are not expected to have the same level of accuracy as the final monthly data published in the PSA. However, the preliminary monthly data are expected to exhibit like trends and product flow characteristic of the final monthly data.

To assess the accuracy of monthly statistics, initial monthly estimates published in the PSM are compared with the final monthly aggregates published in the PSA. Although final monthly data are still subject to error, they have been thoroughly reviewed and edited, they reflect all revisions made during the year, and they are considered to be the most accurate data available. The mean absolute percent error provides a measure of the average revisions relative to the aggregates being measured for a variable. The mean absolute percent error for 2007 monthly data was less than 1 percent for 50 of the 66 major petroleum variables analyzed.

### 4. Provisions Regarding Disclosure of Information

All PSRS survey forms, with the exception of the Form EIA-814, “Monthly Imports Report,” have the same general

disclosure information statement. The information reported on Form EIA-814 will be considered “public information” and may be publicly released in company or individually identifiable form, and will not be protected from disclosure in identifiable form. In addition, biofuel production capacity data reported on Form EIA-819 and Form EIA-22M will be released in company identifiable form. Refinery distillation capacity collected on Form EIA-810 also may be released in company identifiable form. EIA releases annual refinery input and production capacities in company identifiable form each year in the Annual Refinery Capacity Report.

Except as described above, information reported on Forms EIA-810 through 813, 815 through 817, 819, 820, and 22M will be protected and not disclosed to the public to the extent that it satisfies the criteria for exemption under the Freedom of Information Act (FOIA), 5 U.S.C. § 552, the Department of Energy (DOE) regulations, 10 C.F.R. § 1004.11, implementing the FOIA, and the Trade Secrets Act, 18 U.S.C. § 1905. The Federal Energy Administration Act requires the EIA to provide company-specific data to other Federal agencies when requested for official use. The information reported on this form may also be made available, upon request, to another DOE component; to any Committee of Congress, the Government Accountability Office, or other Federal agencies authorized by law to receive such information. A court of competent jurisdiction may obtain this information in response to an order. The information may be used for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Disclosure limitation procedures are not applied to the statistical data aggregated and published from these survey's information. Thus, there may be some statistics that are based on data from fewer than three respondents, or that are dominated by data from one or two large respondents. In these cases, it may be possible for a knowledgeable person to estimate the information reported by a specific respondent.

In addition to the use of the information by EIA for statistical purposes, the information may be made available, upon request, to other Federal agencies authorized by law to receive such information for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Company specific data are also provided to other DOE offices for the purpose of examining specific petroleum operations in the context of emergency response planning and actual emergencies.

## Appendix D

## Northeast Reserves

Reserves inventories are not considered to be in the commercial sector and are excluded from EIA's commercial motor gasoline and distillate fuel oil supply and disposition statistics, such as those reported in the *Weekly Petroleum Status Report*, *Petroleum Supply Monthly*, and *This Week In Petroleum*.

### Northeast Home Heating Oil Reserve classified as ultra-low sulfur distillate (15 parts per million)

| Terminal Operator    | Location         | Thousand Barrels |
|----------------------|------------------|------------------|
| Buckeye Partners LP  | Port Reading, NJ | 300              |
| Buckeye Partners LP  | Groton, CT       | 300              |
| Global Companies LLC | Revere, MA       | 101              |
| Gulf Oil LP          | Chelsea, MA      | 200              |
| Global Companies LLC | Chelsea, MA      | 100              |

Data source: U. S. Energy Information Administration

### Northeast Regional Refined Petroleum Product Reserve motor gasoline products

| Terminal Operator           | Location           | Thousand Barrels |
|-----------------------------|--------------------|------------------|
| Buckeye Terminals LLC       | Port Reading, NJ   | 900              |
| Global Companies LLC        | Revere, MA         | 0                |
| South Portland Terminal LLC | South Portland, ME | 99               |

Data source: U. S. Energy Information Administration

Other reserves information from the U.S. Department of Energy, Office of Petroleum Reserves can be found at <http://energy.gov/fe/services/petroleum-reserves/>

### State of New York's Strategic Fuels Reserve Program

State reserve inventories are also not considered to be in the commercial sector and are excluded from EIA's commercial inventories and are excluded from supply and disposition statistics, such as those reported in the *Weekly Petroleum Status Report*, *Petroleum Supply Monthly*, and *This Week In Petroleum*.

| Product                                      | Location | Thousand Barrels |
|----------------------------------------------|----------|------------------|
| Motor Gasoline Blending Components           | NY       | 83               |
| Fuel Ethanol                                 | NY       | 9                |
| Distillate Fuel Oil, 15 ppm Sulfur and Under | NY       | 34               |

Data source: New York State Energy Research & Development Authority